

For the content contained in this manual, Gandian Lightning Protection has the final right to interpret. For more detailed information, please inquire; our company's technical engineers will serve you wholeheartedly. Because of the continuous innovation of product technology, please refer to the actual product or the manual; Subject to change without notice.

Use environmentally friendly materials



GA&DA



Surge Protective Device

Solutions Catalogue

GANDIAN LIGHTNING PROTECTION ELECTRI CO.LTD.

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Better life, better electricity

不辜负每一份电力，让电尽其所能

GANDIAN LANGYONG

有品质才有市场，有改进才有进步，有创新才有发展

坚守专业与责任，做行业的领跑者

*Stick to professionalism and responsibility
and be the leader of the industry*



公司简介 COMPANY PROFILE

Gandian Lightning Protection Electric Co., Ltd. is a modern high-tech enterprise dedicated to the design, research and development, production, sales and service of lightning safety protection equipment. The company is located in the economic and technological development zone of Jiujiang City, the only international trade port city in Jiangxi Province. The total plant construction area is 39,960 square meters, the factory covers an area of 29,970.16 square meters, and there are more than 200 employees.

Through continuous reform and innovation, the company develops its own brand, showing a new look of internationalization, modernization and informationization. Break through high-end industries with focus, upgrade traditional industries with automation, actively build automated electrical equipment bases, gather a team of highly skilled experts, strengthen the simultaneous development of advanced equipment industry and modern service industry, have a variety of fully functional product performance testing laboratories, 8/20us 150kA compatible with 10/350us 25kA simulated lightning laboratory, 10/350us 120kA simulated lightning laboratory, 1.2/50us combined wave generator, 1.2/50us voltage generator, gap, discharge tube detector, thermal stability test system, lightning online monitoring system, intelligent lightning protection detection system, SPD backup protector power frequency current test, lightning non-trip current test system and a series of advanced detection equipment, to ensure the stability and innovation of our products!

Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, automatic soldering, automatic laminating, pad printing, laser marking, automatic detection and uploading of data, automatic sealing and packaging and other automatic equipment to ensure each product consistency, fully guarantee efficient production and high-quality management, with unified planning of logistics, production, life and other service facilities, and strive to build a first-class intelligent production industrial base with international competitiveness.

The company took the lead in passing ISO9001 quality system certification, ISO14001 environmental management system certification, OHSAS18001 occupational health and safety management system, COC certification, European Community CE certification, TUV Rheinland certification, CB certification, Rohs certification, and established a system from software and hardware. A strict quality management system can meet the various needs of new and old customers with the fastest speed, the best products, and the best services; sales points are set up throughout the country, and the sales scope radiates to all provinces in China, Southeast Asia, South America, and Europe, Africa and many other places, the service scope is all over the country, and the high-quality products and good service have won the favor of the majority of customers.

The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning protection box series, signal lightning protection series, fuses, circuit breakers, photovoltaic connectors, transfer switches, photovoltaic cables, etc. The products are mainly used in the construction of urban and rural power grids, urban infrastructure construction, factory construction stages, major domestic and foreign oil fields, petrochemical companies, shipbuilding industry, offshore oil drilling platforms, military power construction, photovoltaic power generation, wind power generation, coal, petroleum, chemical, industrial and mining, hospitals, airports and other fields.

The company adheres to the corporate culture of "integrity first, happiness in the world, sharing and win-win", adheres to the spirit of "pragmatism, hard work, and dedication", and has the dream of "revitalizing national industry and assuming social morality". With the principle of trust, persist in realizing the new situation of "sustainable development, cooperative innovation", with the attitude of "professional, dedicated, rigorous, and eager to learn", always practice the glorious mission of "based on Rael Dunwei and build a world brand together".

Staff living area

The staff living area has 4360 square meters, 42 single rooms, 28 suites, supporting internal canteen, fitness area, outdoor activity area

Stamping and injection molding area

The stamping and injection molding area has 6800 square meters, 30 injection molding machines, 7 45T stamping machines, 5 35T stamping machines, 8 25 stamping machines, and the remaining 18 stamping machines of each tonnage

Comprehensive production area

The comprehensive production area has 8,100 square meters, dozens of production lines for various products, a simulation laboratory for lightning strikes, and various lightning protection products test instruments, etc.



Laboratory And Testing



Lab 1



Lab 2



Lab 3



R&D Center No. 1



R&D Center No. 2



Glow Wire Tester



SPD thermal stability test system



Programmable salt spray test machine



Simulated lightning test platform



Programmable constant temperature and humidity test chamber



1.2/50μs voltage wave generator

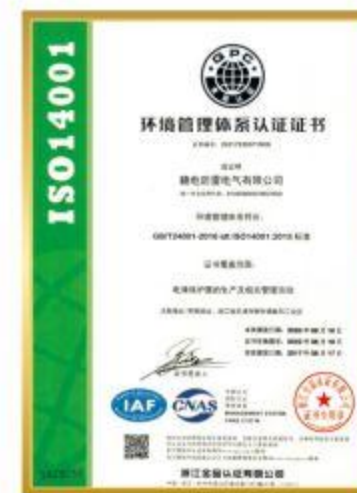


Coupling and decoupling online cabinet



1.2/50μs combined wave generator

Certificate And International Patents



ISO14001



ISO9001



OHSAS18001



CB



CQC



RoHS



TUV-CE



TUV



CE

G2015MT Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2015MT					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	15kA					
Total lightning current (10/350 μs) L1/N→PE I total	1P:15kA, 2P:30kA, 3P:45kA, 4P:60kA,					
Voltage protection level (Up)	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤3.6kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:240g, 2P:480g, 3P:720g, 4P:936g,					

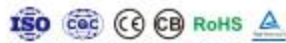
Type	G2015MT-1P	G2015MT-2P	G2015MT-3P	G2015MT-4P	G2015MT-1+NPE	G2015MT-3+NPE
Ordering number	280V:120001 320V:120003 385V:120005 440V:120007 600V:120009	280V:120011 320V:120013 385V:120015 440V:120017 600V:120019	280V:120021 320V:120023 385V:120025 440V:120027 600V:120029	280V:120031 320V:120033 385V:120035 440V:120037 600V:120039	280V:120041 320V:120043 385V:120045 440V:120047 600V:120049	280V:120043 320V:120045 385V:120047 440V:120049 600V:120051
Type(Remote signal monitoring)	G2015MT-1P-FM	G2015MT-2P-FM	G2015MT-3P-FM	G2015MT-4P-FM	G2015MT-1+NPE-FM	G2015MT-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120002 320V:120004 385V:120006 440V:120008 600V:120010	280V:120012 320V:120014 385V:120016 440V:120018 600V:120020	280V:120022 320V:120024 385V:120026 440V:120028 600V:120030	280V:120032 320V:120034 385V:120036 440V:120038 600V:120040	280V:120042 320V:120044 385V:120046 440V:120048 600V:120050	280V:120044 320V:120046 385V:120048 440V:120050 600V:120052

Type	G2015MT/280-Module	G2015MT/320-Module	G2015MT/385-Module	G2015MT/440-Module	G2015MT/600-Module	G2015MT/4P-Module
Ordering number	120049	120050	120051	120052	120053	120054
Max. continuous operating voltage (a.c.) (Uc)	280V	280V	280V	280V	280V	280V
Lightning impulse current (10/350 μs) (Iimp)	15kA					
Voltage protection level (Up)	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤3.6kV	≤1.5kV
Weight	100g					

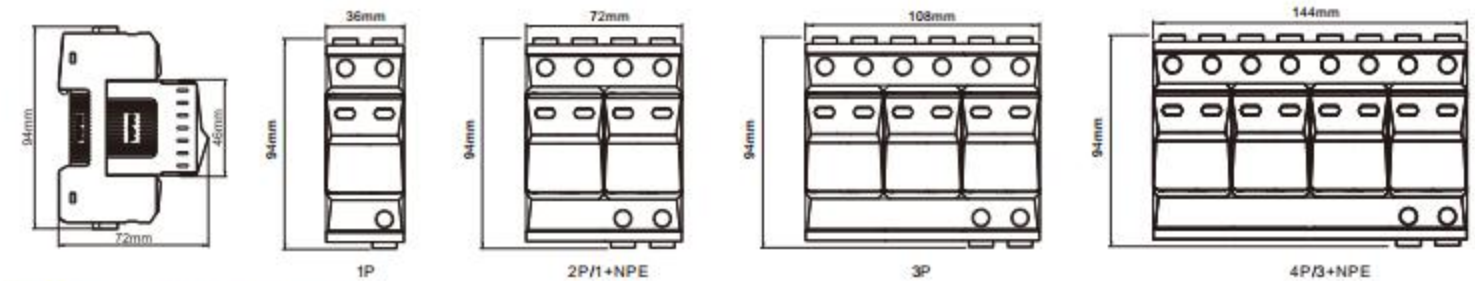


G2015MT Type1 Surge Protective Devices

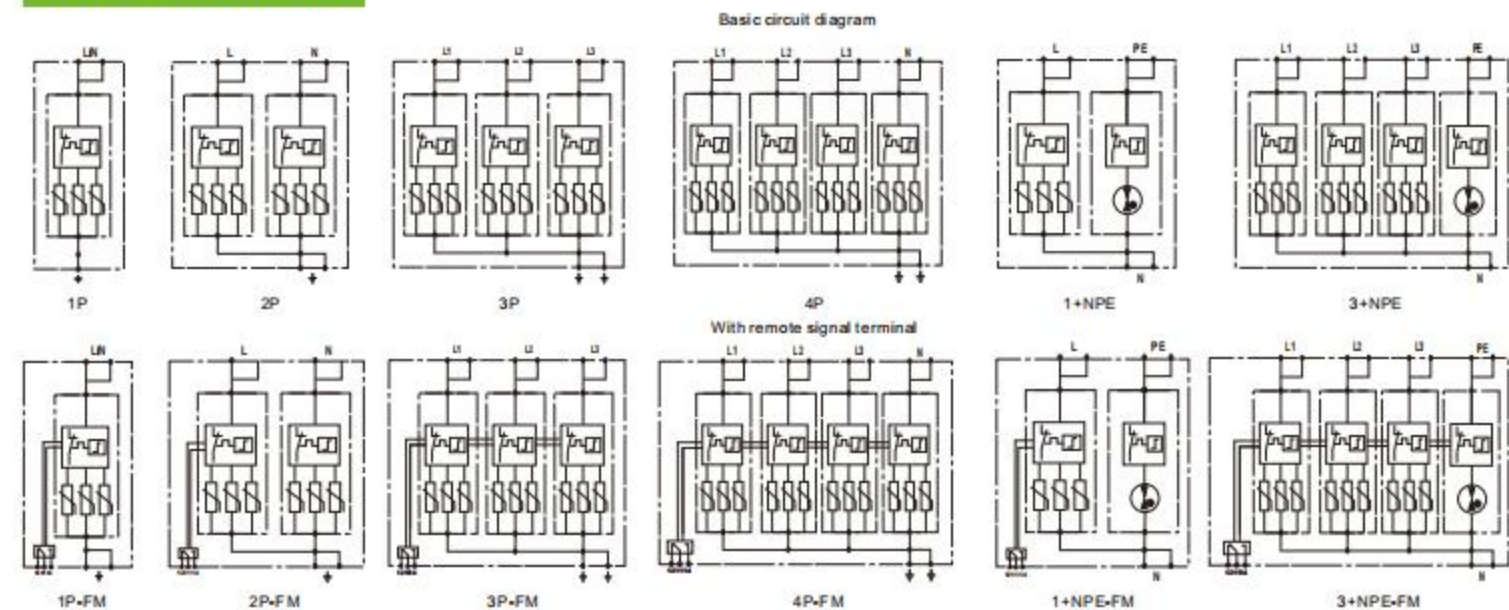
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



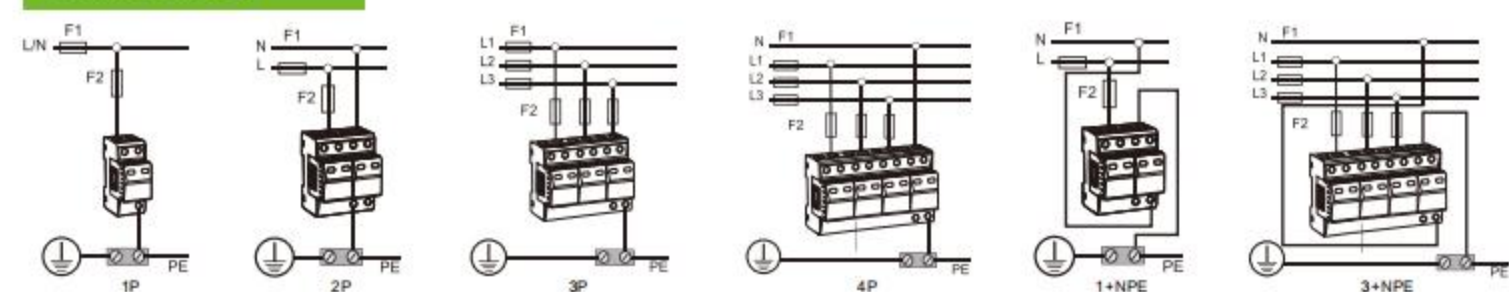
Dimension drawing



Basic circuit diagram



Standard wiring



Remote signal terminal

Normal status



Alarm status



G2025MT Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2025MT					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	25kA					
Total lightning current (10/350 μs) L1/N→PE Itotal	1P:25kA, 2P:50kA, 3P:75kA, 4P:100kA,					
Voltage protection level (Up)	≤1.5kV	≤1.8kV	≤2.2kV	≤2.4kV	≤3.6kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (TU)	-40 °C ... +80 °C					
Operating state / fault indication	Green:normal Red:invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE,ROHS,CQC					
Weight	1P:240g,2P:480g,3P:720g,4P:936g,					

Type	G2025MT-1P	G2025MT-2P	G2025MT-3P	G2025MT-4P	G2025MT-1+NPE	G2025MT-3+NPE
Ordering number	280V:120055 320V:120057 385V:120059 440V:120061 600V:120063	280V:120065 320V:120067 385V:120069 440V:120071 600V:120073	280V:120075 320V:120077 385V:120079 440V:120081 600V:120083	280V:120085 320V:120087 385V:120089 440V:120091 600V:120093	280V:120095 320V:124013 385V:120099 440V:124015 600V:124017	280V:120097 320V:124014 385V:120101 440V:124016 600V:124018
Type(Remote signal monitoring)	G2025MT-1P-FM	G2025MT-2P-FM	G2025MT-3P-FM	G2025MT-4P-FM	G2025MT-1+NPE-FM	G2025MT-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120056 320V:120058 385V:120060 440V:120062 600V:120064	280V:120066 320V:120068 385V:120070 440V:120072 600V:120074	280V:120076 320V:120078 385V:120080 440V:120082 600V:120084	280V:120086 320V:120088 385V:120090 440V:120092 600V:120094	280V:120096 320V:124019 385V:120100 440V:124021 600V:124023	280V:120098 320V:124020 385V:120102 440V:124022 600V:124024

Type	G2025MT/280-Module	G2025MT/320-Module	G2025MT/385-Module	G2025MT/440-Module	G2025MT/600-Module	G2025MT/255-Module
Ordering number	120103	120104	120105	120106	120107	120108
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Lightning impulse current (10/350 μs) (Iimp)	25kA					
Voltage protection level (Up)	≤1.5kV	≤1.8kV	≤2.2kV	≤2.4kV	≤3.6kV	≤1.5kV
Weight	100g					

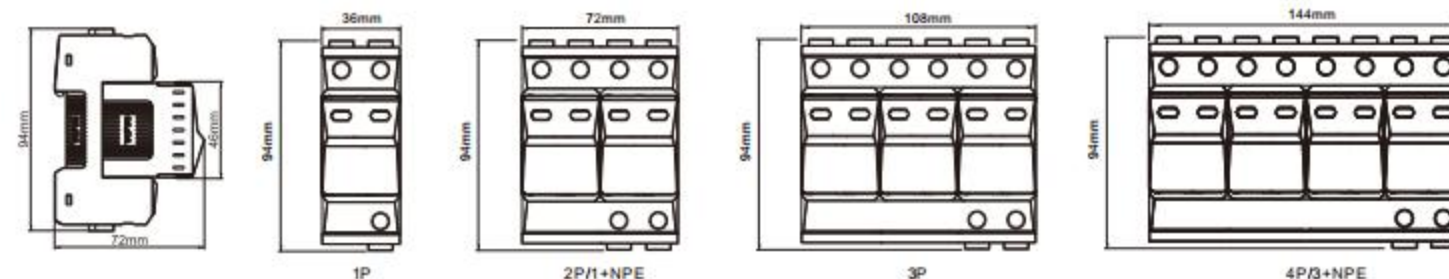


G2025MT Type1 Surge Protective Devices

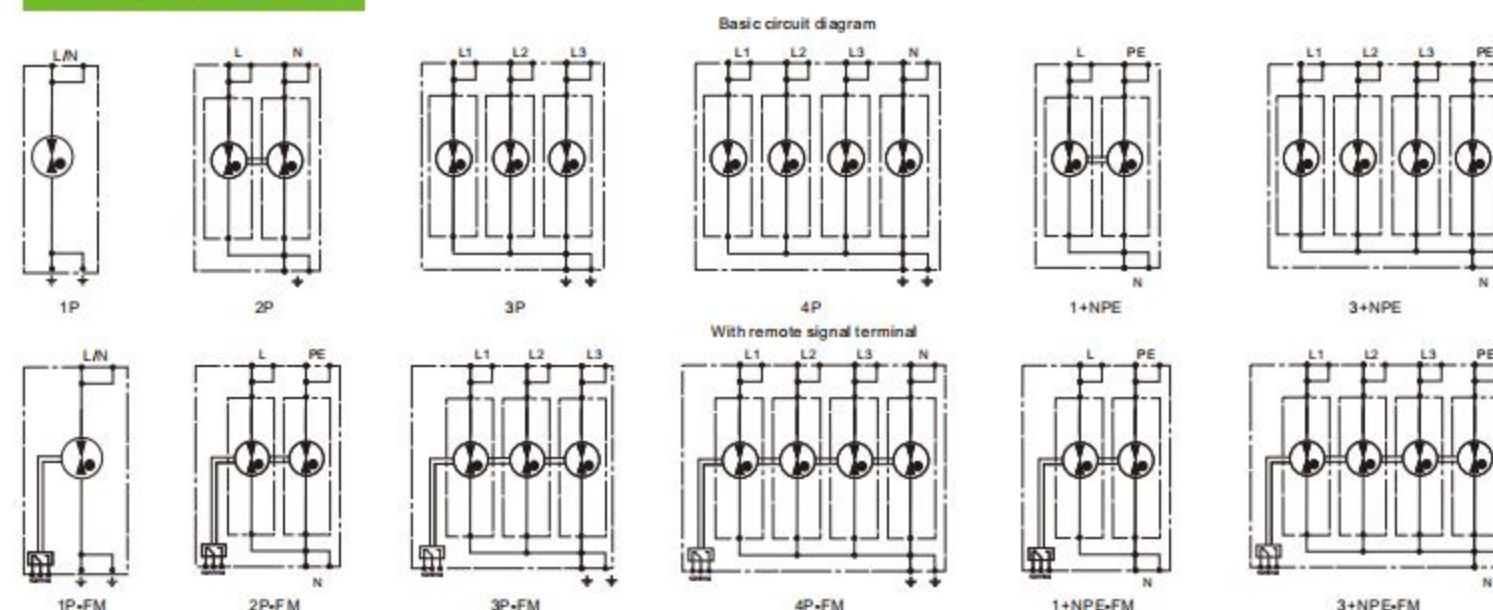
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



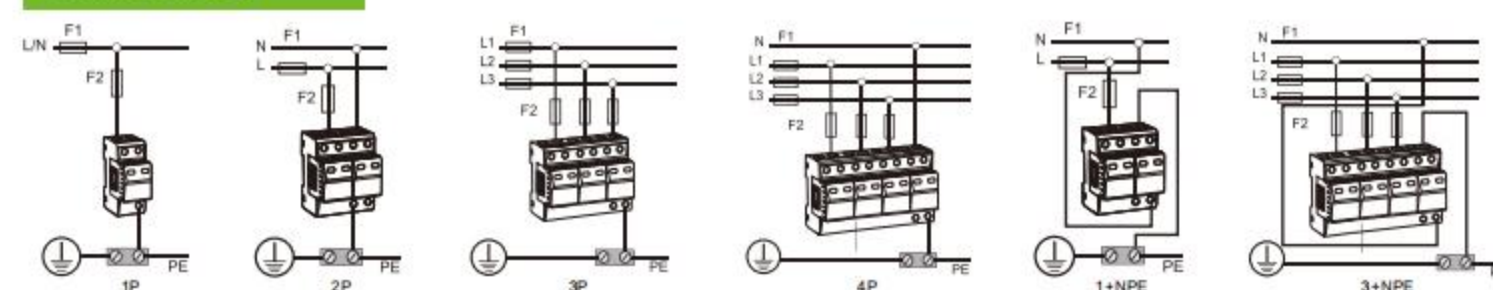
Dimension drawing



Basic circuit diagram



Standard wiring



Remote signal terminal

Normal status



Alarm status



G2030MT Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2030MT					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	30kA					
Total lightning current (10/350 μs) L1/N→PE Itotal	1P:30kA, 2P:60kA, 3P:90kA, 4P:120kA,					
Voltage protection level (Up)	≤2.0kV	≤2.2kV	≤2.5kV	≤3.6kV	≤4.6kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:240g, 2P:480g, 3P:720g, 4P:936g,					

Type	G2030MT-1P	G2030MT-2P	G2030MT-3P	G2030MT-4P	G2030MT-1+NPE	G2030MT-3+NPE
Ordering number	280V:120109 320V:120111 385V:120113 440V:120115 600V:120117	280V:120119 320V:120121 385V:120123 440V:120125 600V:120127	280V:120129 320V:120131 385V:120133 440V:120135 600V:120137	280V:120139 320V:120141 385V:120143 440V:120145 600V:120147	280V:120149 320V:120151 385V:120153 440V:120155 600V:120157	280V:120151 320V:120153 385V:120155 440V:120157 600V:120159
Type(Remote signal monitoring)	G2030MT-1P-FM	G2030MT-2P-FM	G2030MT-3P-FM	G2030MT-4P-FM	G2030MT-1+NPE-FM	G2030MT-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120110 320V:120112 385V:120114 440V:120116 600V:120118	280V:120120 320V:120122 385V:120124 440V:120126 600V:120128	280V:120130 320V:120132 385V:120134 440V:120136 600V:120138	280V:120140 320V:120142 385V:120144 440V:120146 600V:120148	280V:120150 320V:120152 385V:120154 440V:120156 600V:120158	280V:120152 320V:120154 385V:120156 440V:120158 600V:120160

Type	G2030MT/280-Module	G2030MT/320-Module	G2030MT/385-Module	G2030MT/440-Module	G2030MT/600-Module	G2030MT/255-Module
Ordering number	120157	120158	120159	120160	120161	120162
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Lightning impulse current (10/350 μs) (Iimp)	30kA					
Voltage protection level (Up)	≤2.0kV	≤2.2kV	≤2.5kV	≤3.6kV	≤4.6kV	≤1.5kV
Weight	100g					

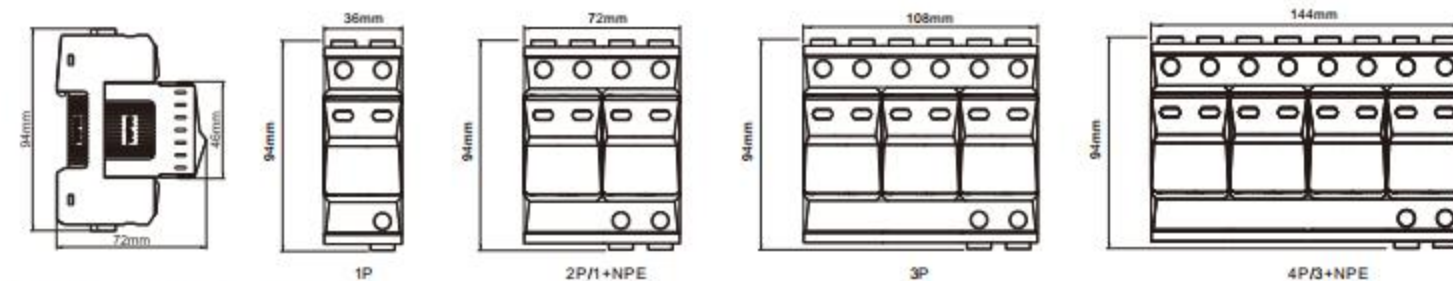


G2030MT Type1 Surge Protective Devices

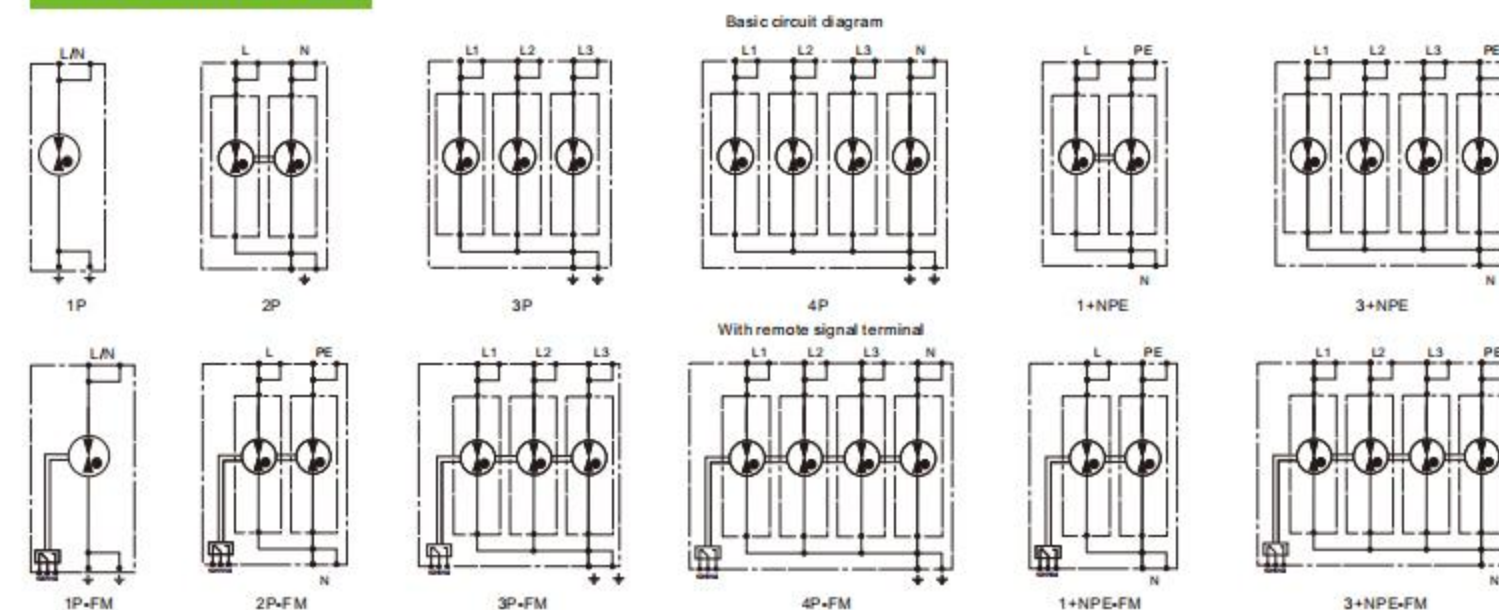
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



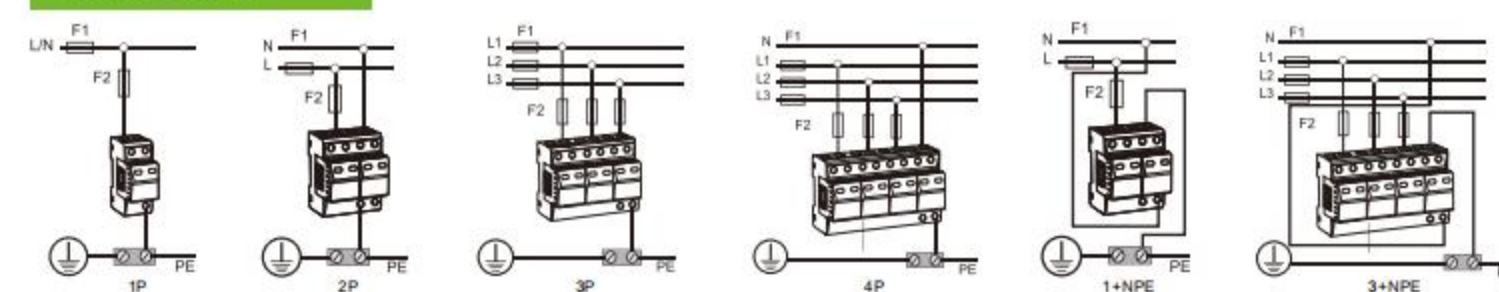
Dimension drawing



Basic circuit diagram

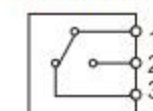


Standard wiring

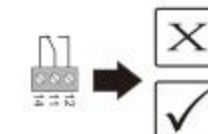
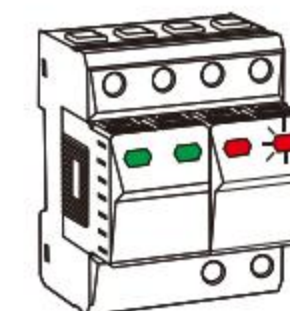


Remote signal terminal

Normal status



Alarm status



G2035MT Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2035MT					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	35kA					
Total lightning current (10/350 μs) L1/N→PE I total	1P:35kA,2P:70kA,3P:115kA,4P:140kA,					
Voltage protection level (Up)	≤2.0kV	≤2.2kV	≤2.5kV	≤3.6kV	≤4.6kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green:normal Red:invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE,ROHS,CQC					
Weight	1P:240g,2P:480g,3P:720g,4P:936g,					

Type	G2035MT-1P	G2035MT-2P	G2035MT-3P	G2035MT-4P	G2035MT-1+NPE	G2035MT-3+NPE
Ordering number	280V:120163 320V:120165 385V:120167 440V:120169 600V:120171	280V:120173 320V:120175 385V:120177 440V:120179 600V:120181	280V:120183 320V:120185 385V:120187 440V:120189 600V:120191	280V:120193 320V:120195 385V:120197 440V:120199 600V:120201	280V:120203 320V:124037 385V:120207 440V:124039 600V:124041	280V:120205 320V:124038 385V:120209 440V:124040 600V:124042
Type(Remote signal monitoring)	G2035MT-1P-FM	G2035MT-2P-FM	G2035MT-3P-FM	G2035MT-4P-FM	G2035MT-1+NPE-FM	G2035MT-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120164 320V:120166 385V:120168 440V:120170 600V:120172	280V:120174 320V:120176 385V:120178 440V:120180 600V:120182	280V:120184 320V:120186 385V:120188 440V:120190 600V:120192	280V:120194 320V:120196 385V:120198 440V:120200 600V:120202	280V:120204 320V:124043 385V:120208 440V:124045 600V:124047	280V:120206 320V:124044 385V:120210 440V:124046 600V:124048

Type	G2035MT/280-Module	G2035MT/320-Module	G2035MT/385-Module	G2035MT/440-Module	G2035MT/600-Module	G2035MT/255-Module
Ordering number	120211	120212	120213	120214	120215	120216
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Lightning impulse current (10/350 μs) (Iimp)	35kA					
Voltage protection level (Up)	≤2.0kV	≤2.2kV	≤2.5kV	≤3.6kV	≤4.6kV	≤1.5kV
Weight	100g					

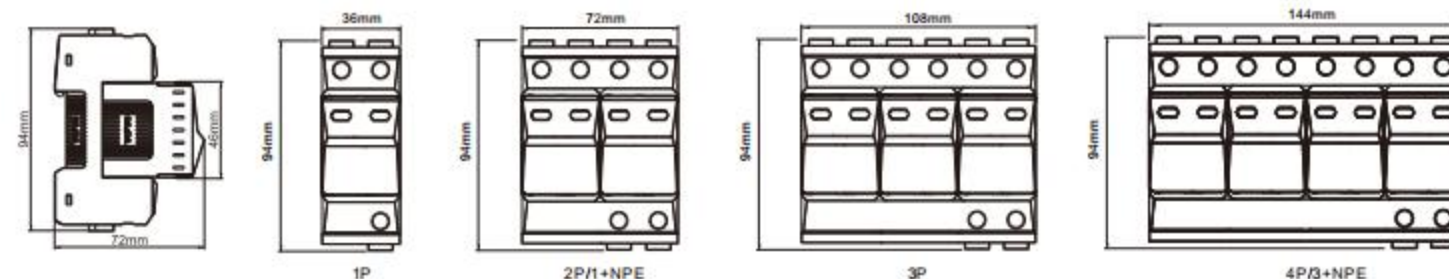


G2035MT Type1 Surge Protective Devices

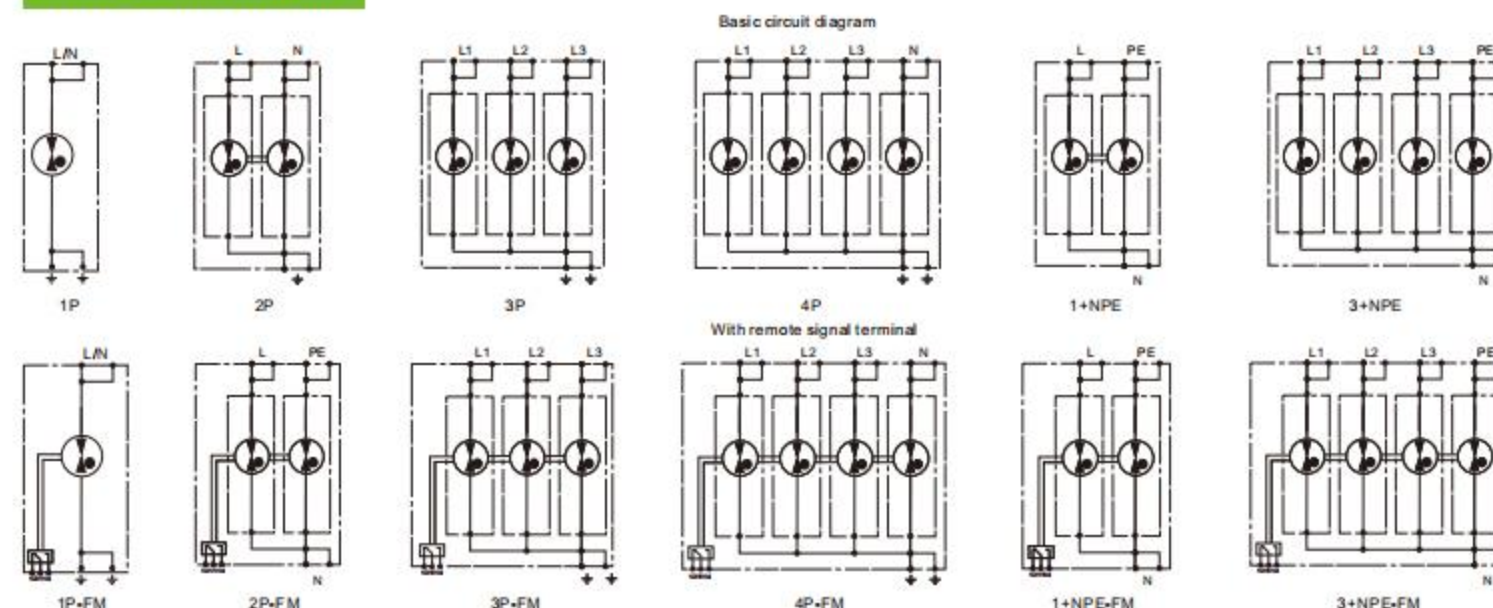
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



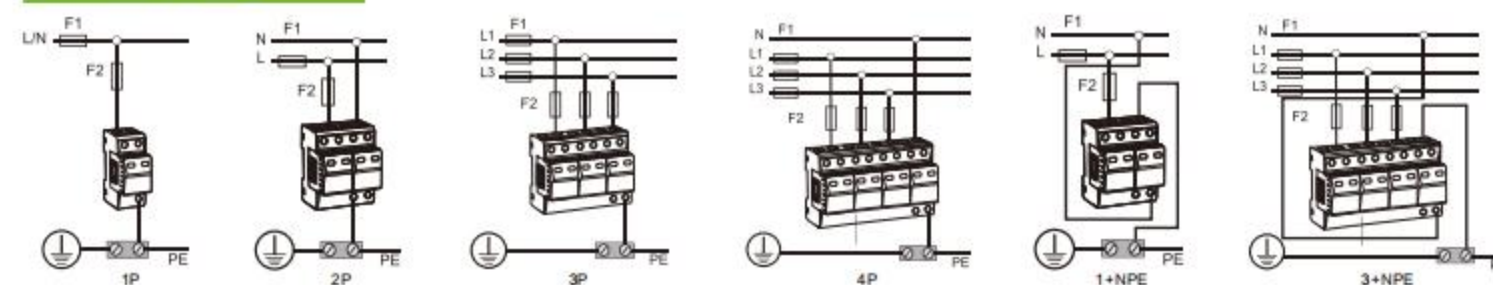
Dimension drawing



Basic circuit diagram



Standard wiring

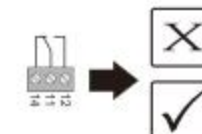


Remote signal terminal

Normal status



Alarm status



G2050MT Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2050MT					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	50kA					
Total lightning current (10/350 μs) L1/N→PE I total	1P:50kA, 2P:100kA, 3P:150kA, 4P:200kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤3.6kV	≤4.6kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:240g, 2P:480g, 3P:720g, 4P:936g,					

Type	G2050MT-1P	G2050MT-2P	G2050MT-3P	G2050MT-4P	G2050MT-1+NPE	G2050MT-3+NPE
Ordering number	280V:120217 320V:120219 385V:120221 440V:120223 600V:120225	280V:120227 320V:120229 385V:120231 440V:120233 600V:120235	280V:120237 320V:120239 385V:120241 440V:120243 600V:120245	280V:120247 320V:120249 385V:120251 440V:120253 600V:120255	280V:120257 320V:120259 385V:120261 440V:120263 600V:120265	280V:120259 320V:120261 385V:120263 440V:120265 600V:120267
Type(Remote signal monitoring)	G2050MT-1P-FM	G2050MT-2P-FM	G2050MT-3P-FM	G2050MT-4P-FM	G2050MT-1+NPE-FM	G2050MT-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120218 320V:120220 385V:120222 440V:120224 600V:120226	280V:120228 320V:120230 385V:120232 440V:120234 600V:120236	280V:120238 320V:120240 385V:120242 440V:120244 600V:120246	280V:120248 320V:120250 385V:120252 440V:120254 600V:120256	280V:120258 320V:120260 385V:120262 440V:120264 600V:120266	280V:120260 320V:120262 385V:120264 440V:120266 600V:120268

Type	G2050MT/280-Module	G2050MT/320-Module	G2050MT/385-Module	G2050MT/440-Module	G2050MT/600-Module	G2050MT/255-Module
Ordering number	120265	120266	120267	120268	120269	120270
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Lightning impulse current (10/350 μs) (Iimp)	50kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤3.6kV	≤4.6kV	≤1.5kV
Weight	100g					

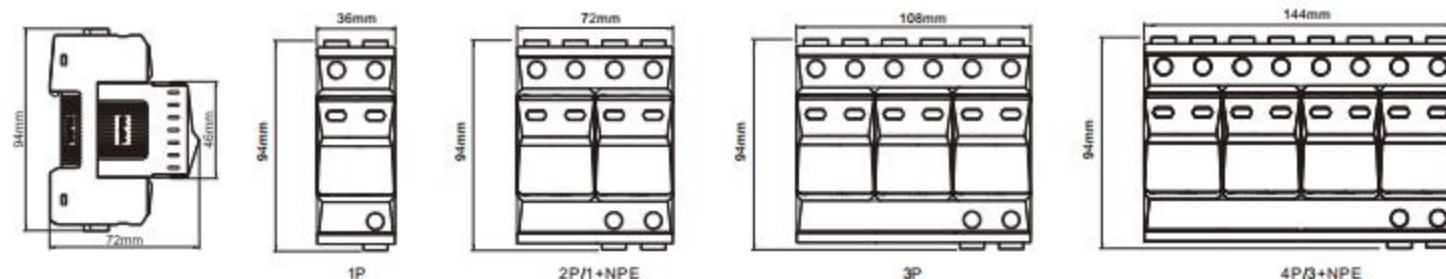


G2050MT Type1 Surge Protective Devices

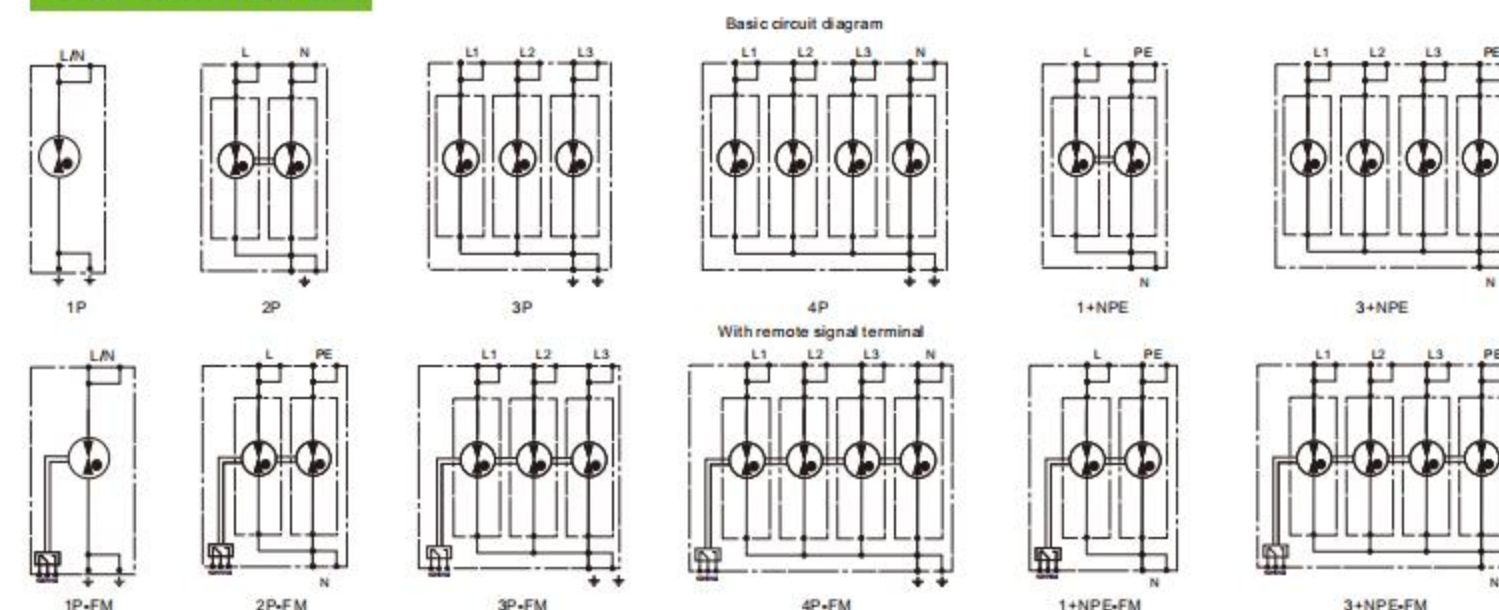
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



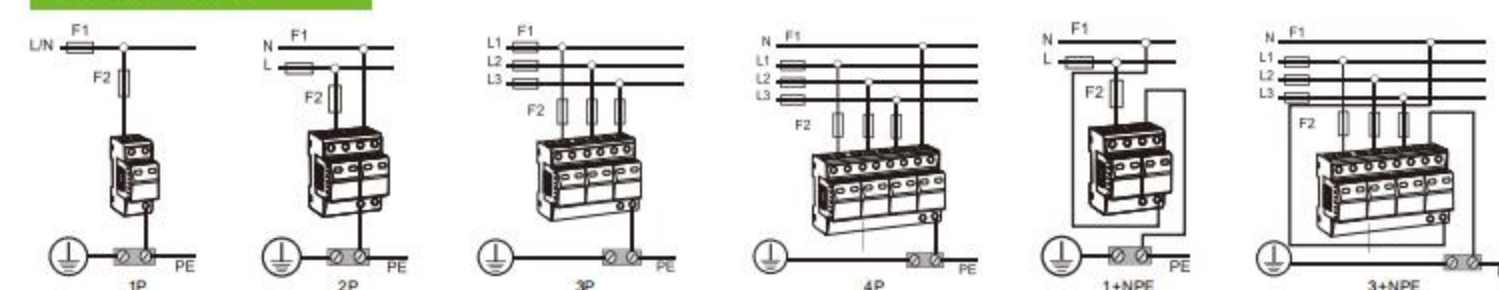
Dimension drawing



Basic circuit diagram

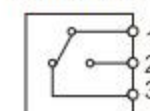


Standard wiring

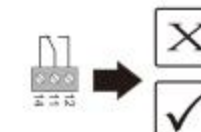
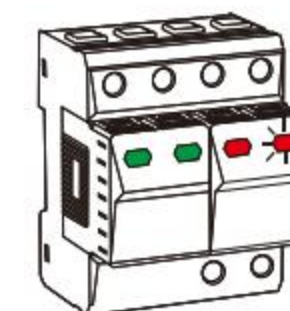


Remote signal terminal

Normal status



Alarm status



G2065DZ Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G2065DZ					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	65kA					
Total lightning current (10/350 μs) L1/N→PE Itotal	1P:65kA, 2P:130kA, 3P:195kA, 4P:260kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤3.6kV	≤4.6kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:240g, 2P:480g, 3P:720g, 4P:936g,					

Type	G2065DZ-1P	G2065DZ-2P	G2065DZ-3P	G2065DZ-4P	G2065DZ-1+NPE	G2065DZ-3+NPE
Ordering number	280V:120271 320V:120273 385V:120275 440V:120277 600V:120279	280V:120281 320V:120283 385V:120285 440V:120287 600V:120289	280V:120291 320V:120293 385V:120295 440V:120297 600V:120299	280V:120301 320V:120303 385V:120305 440V:120307 600V:120309	280V:120311 320V:124061 385V:120315 440V:124063 600V:124065	280V:120313 320V:124062 385V:120317 440V:124064 600V:124066
Type(Remote signal monitoring)	G2065DZ-1P-FM	G2065DZ-2P-FM	G2065DZ-3P-FM	G2065DZ-4P-FM	G2065DZ-1+NPE-FM	G2065DZ-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120272 320V:120274 385V:120276 440V:120278 600V:120280	280V:120282 320V:120284 385V:120286 440V:120288 600V:120290	280V:120292 320V:120294 385V:120296 440V:120298 600V:120300	280V:120302 320V:120304 385V:120306 440V:120308 600V:120310	280V:120312 320V:124067 385V:120316 440V:124069 600V:124071	280V:120314 320V:124068 385V:120318 440V:124070 600V:124072

Type	G2065DZ/280-Module	G2065DZ/320-Module	G2065DZ/385-Module	G2065DZ/440-Module	G2065DZ/600-Module	G2065DZ-NPE Module
Ordering number	120319	120320	120321	120322	120323	120324
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Lightning impulse current (10/350 μs) (Iimp)	65kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤3.6kV	≤4.6kV	≤1.5kV
Weight	100g					

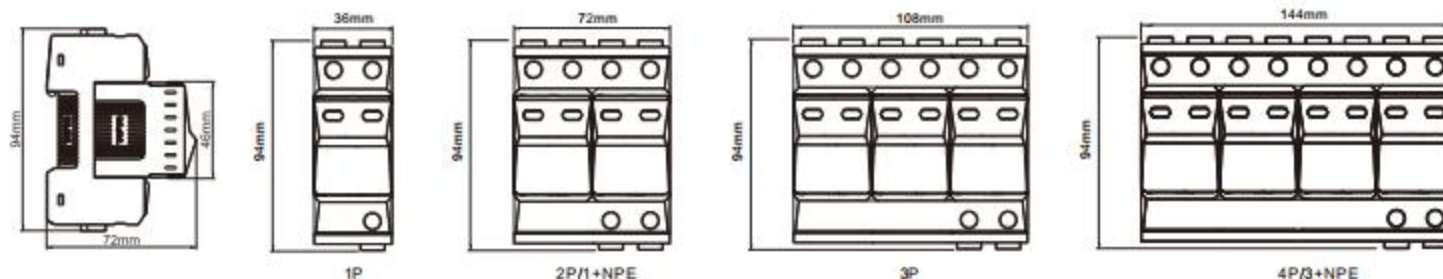


G2065DZ Type1 Surge Protective Devices

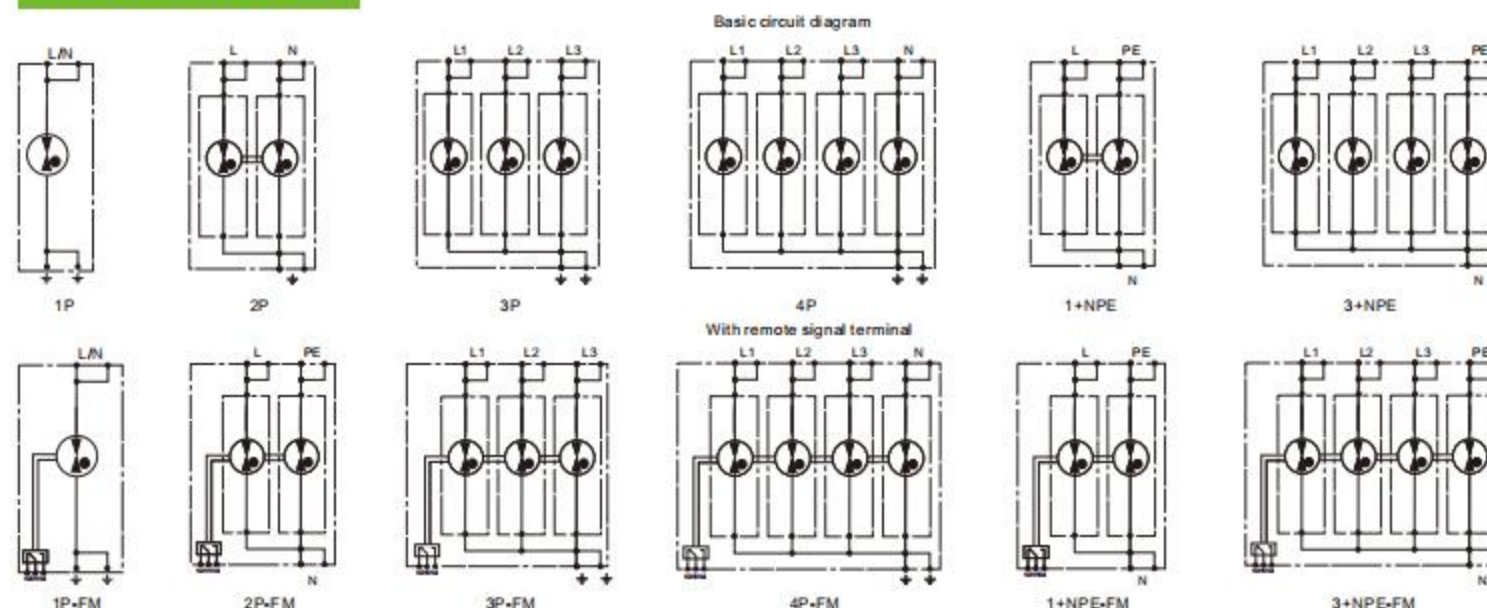
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



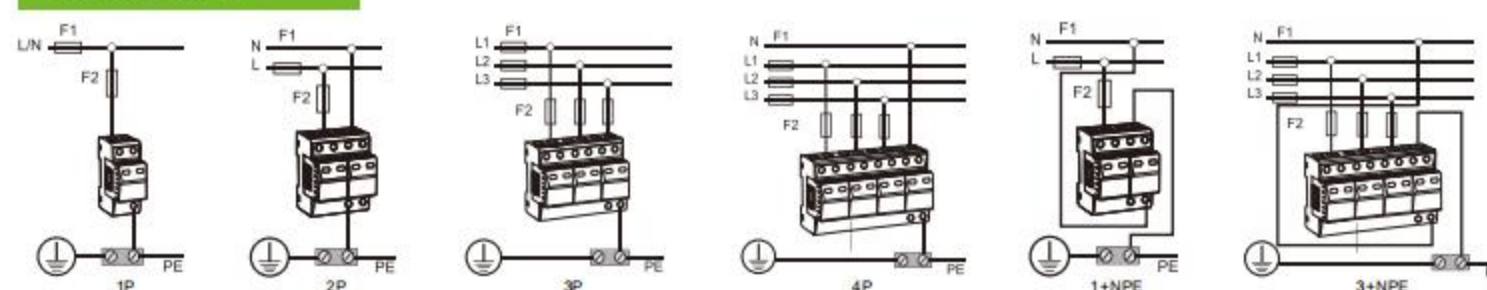
Dimension drawing



Basic circuit diagram

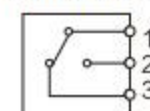


Standard wiring

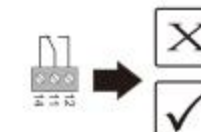


Remote signal terminal

Normal status



Alarm status



G20100DZ Type1 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G20100DZ					
SPD according to EN 61643-11 / IEC 61643-11	Type1/Class I / T1					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Lightning impulse current (10/350 μs) (Iimp)	100kA					
Total lightning current (10/350 μs) L1/N→PE I total	1P:100kA, 2P:200kA, 3P:300kA, 4P:400kA,					
Voltage protection level (Up)	≤2.2kV	≤2.4kV	≤2.8kV	≤4.0kV	≤5.0kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (T _U)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:240g, 2P:480g, 3P:720g, 4P:936g,					

Type	G20100DZ-1P	G20100DZ-2P	G20100DZ-3P	G20100DZ-4P	G20100DZ-1+NPE	G20100DZ-3+NPE
Ordering number	280V:120325 320V:120327 385V:120329 440V:120331 600V:120333	280V:120335 320V:120337 385V:120339 440V:120341 600V:120343	280V:120345 320V:120347 385V:120349 440V:120351 600V:120353	280V:120355 320V:120357 385V:120359 440V:120361 600V:120363	280V:120365 320V:124073 385V:120369 440V:124075 600V:124077	280V:120367 320V:124074 385V:120371 440V:124076 600V:124078
Type(Remote signal monitoring)	G20100DZ-1P-FM	G20100DZ-2P-FM	G20100DZ-3P-FM	G20100DZ-4P-FM	G20100DZ-1+NPE-FM	G20100DZ-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:120326 320V:120328 385V:120330 440V:120332 600V:120334	280V:120336 320V:120338 385V:120340 440V:120342 600V:120344	280V:120346 320V:120348 385V:120350 440V:120352 600V:120354	280V:120356 320V:120358 385V:120360 440V:120362 600V:120364	280V:120366 320V:124079 385V:120370 440V:124081 600V:124083	280V:120368 320V:124080 385V:120372 440V:124082 600V:124084

Type	G20100DZ-2P-Module	G20100DZ-3P-Module	G20100DZ-4P-Module	G20100DZ-1+NPE-Module	G20100DZ-3+NPE-Module
Ordering number	120373	120374	120375	120376	120378
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V
Lightning impulse current (10/350 μs) (Iimp)	100kA				
Voltage protection level (Up)	≤2.2kV	≤2.4kV	≤2.8kV	≤4.0kV	≤5.0kV
Weight	100g				

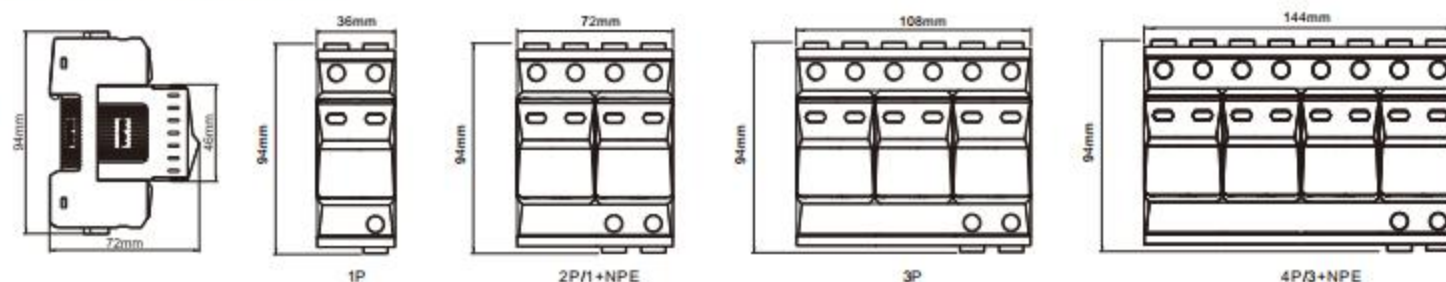


G20100DZ Type1 Surge Protective Devices

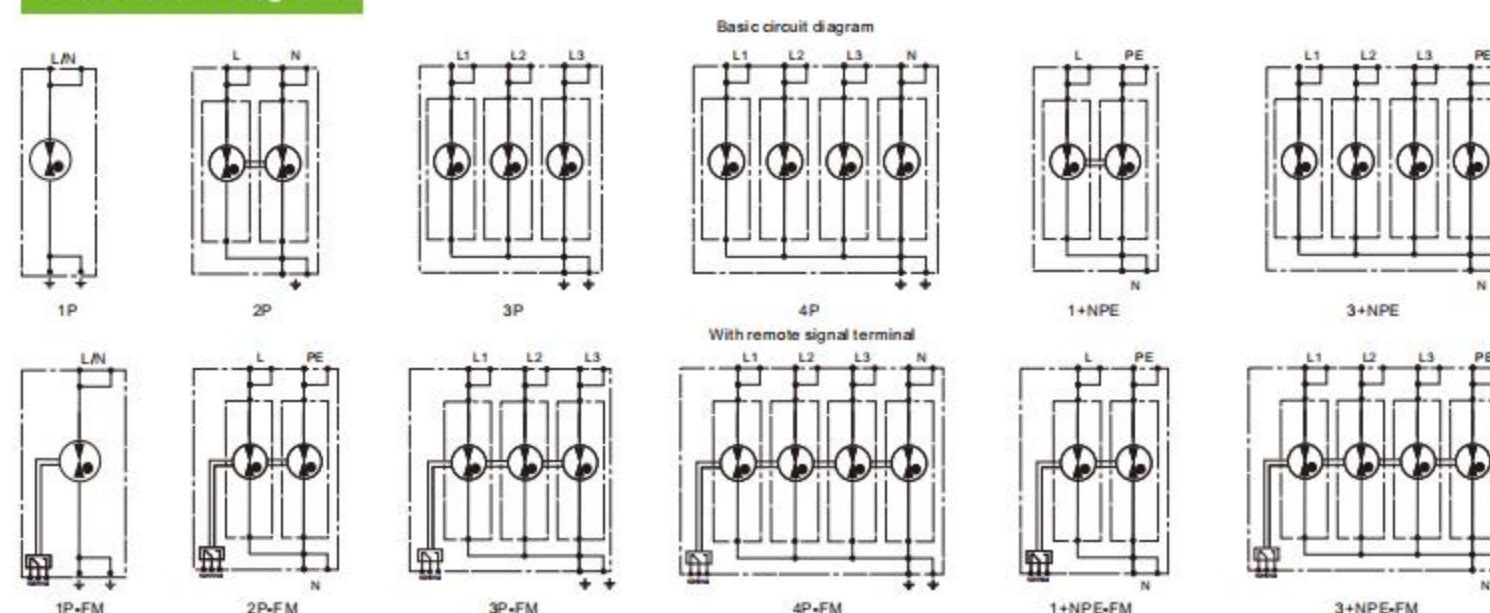
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



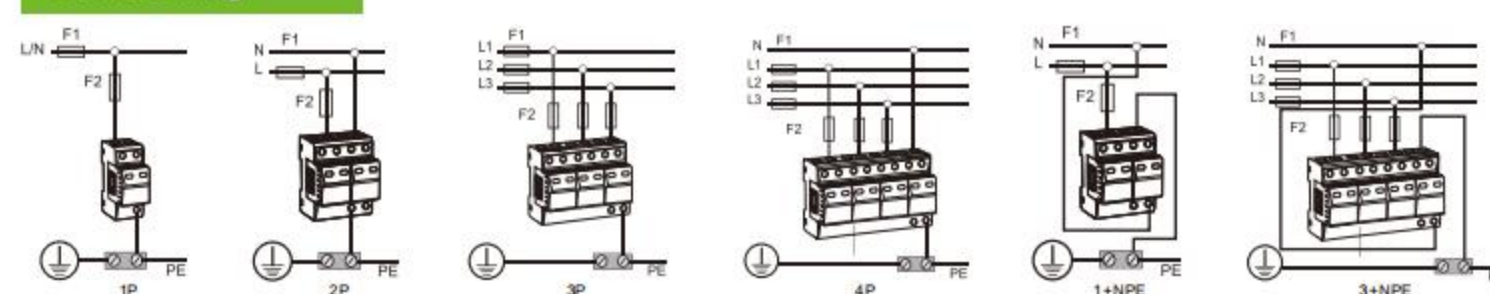
Dimension drawing



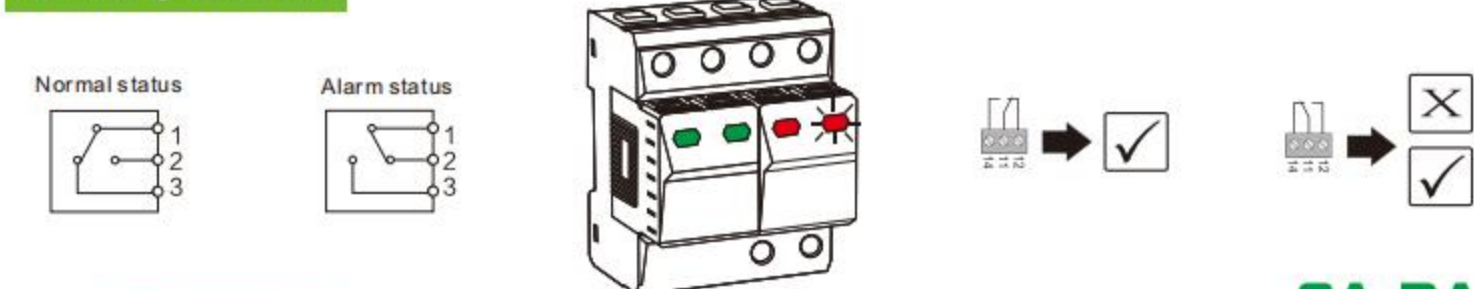
Basic circuit diagram



Standard wiring



Remote signal terminal



G2010MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2010MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	5kA						
Max. discharge current (8/20 μs) (Imax)	10kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:10kA,2P:20kA,3P:30kA,4P:40kA,						
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV
Response time (tA)	25ns						
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	Indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g,2P:180g,3P:270g,4P:360g,						

Type	G2010MT-1P	G2010MT-2P	G2010MT-3P	G2010MT-4P	G2010MT-1+NPE	G2010MT-3+NPE
Ordering number	150V:120379	150V:120391	150V:120403	150V:120415	150V:124085	150V:124086
	280V:120381	280V:120393	280V:120405	280V:120417	280V:120427	280V:120429
	320V:120383	320V:120395	320V:120407	320V:120419	320V:124087	320V:124088
	385V:120385	385V:120397	385V:120409	385V:120421	385V:120431	385V:120433
	440V:120387	440V:120399	440V:120411	440V:120423	440V:124089	440V:124090
Type(Remote signal monitoring)	600V:120389	600V:120401	600V:120413	600V:120425	600V:124091	600V:124092
	G2010MT-1P-FM	G2010MT-2P-FM	G2010MT-3P-FM	G2010MT-4P-FM	G2010MT-1+NPE-FM	G2010MT-3+NPE-FM
	150V:120380	150V:120392	150V:120404	150V:120416	150V:124093	150V:124094
	280V:120382	280V:120394	280V:120406	280V:120418	280V:124095	280V:124096
	320V:120384	320V:120396	320V:120408	320V:120420	320V:124097	320V:124098
Ordering number (Remote signal monitoring)	385V:120386	385V:120398	385V:120410	385V:120422	385V:120432	385V:120434
	440V:120388	440V:120400	440V:120412	440V:120424	440V:124099	440V:124098
	600V:120390	600V:120402	600V:120414	600V:120426	600V:124099	600V:124100

Type	G2010MT/150-Module	G2010MT/280-Module	G2010MT/320-Module	G2010MT/385-Module	G2010MT/440-Module	G2010MT/600-Module	G2010MT/NPE-Module
Ordering number	120435	120436	120437	120438	120439	120440	120441
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	5kA						
Max. discharge current (8/20 μs) (Imax)	10kA						
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV

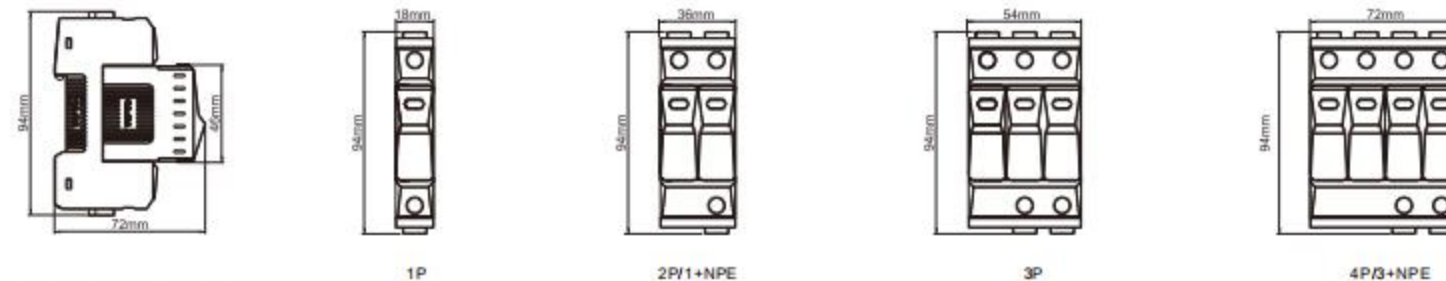


G2010MT Type2 Surge Protective Devices

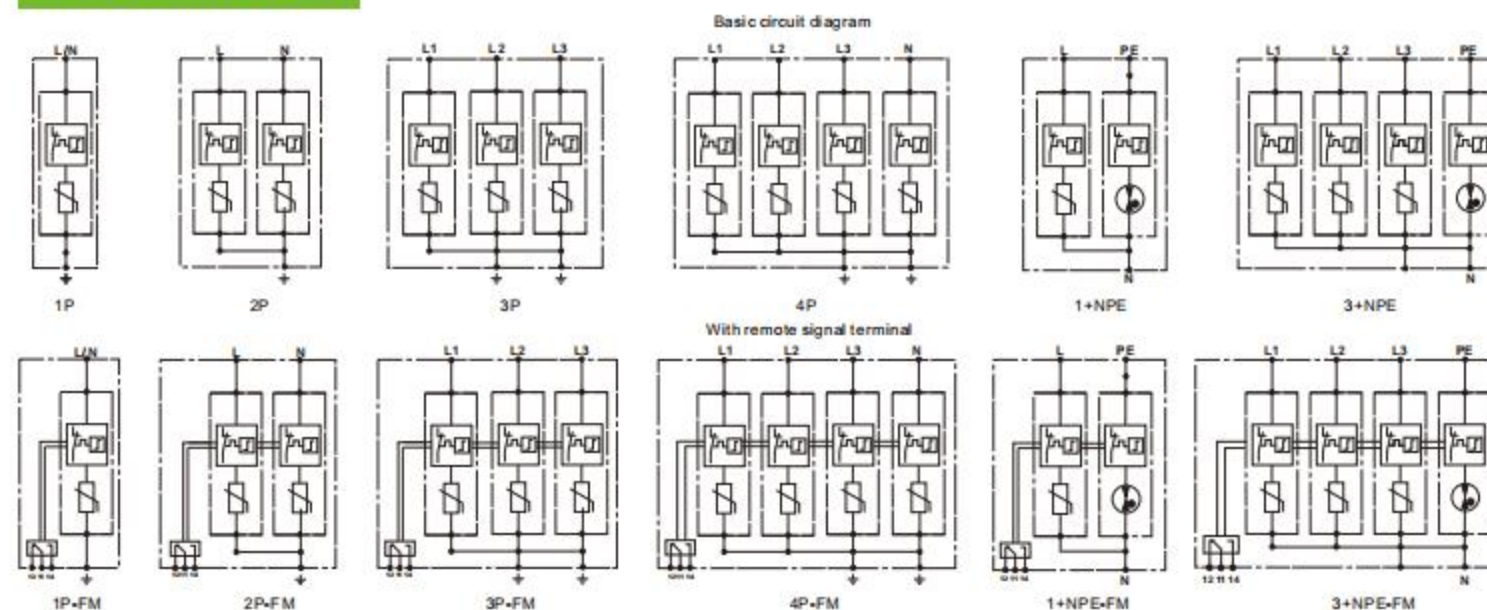
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



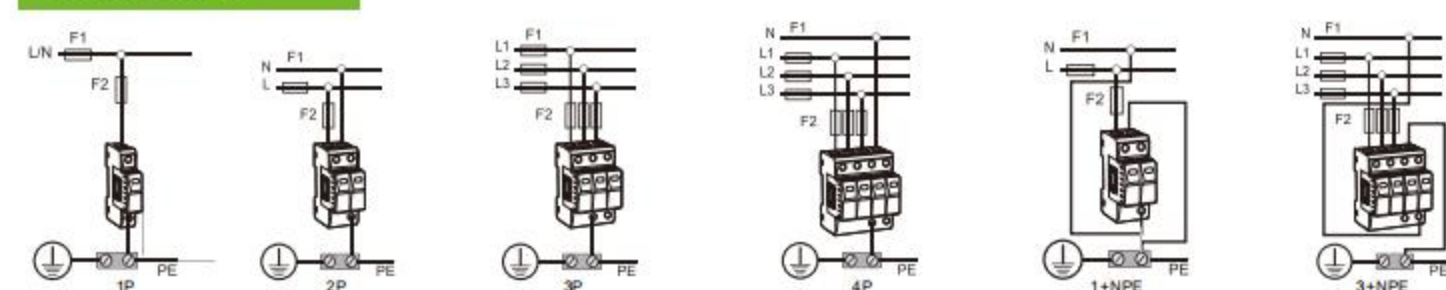
Dimension drawing



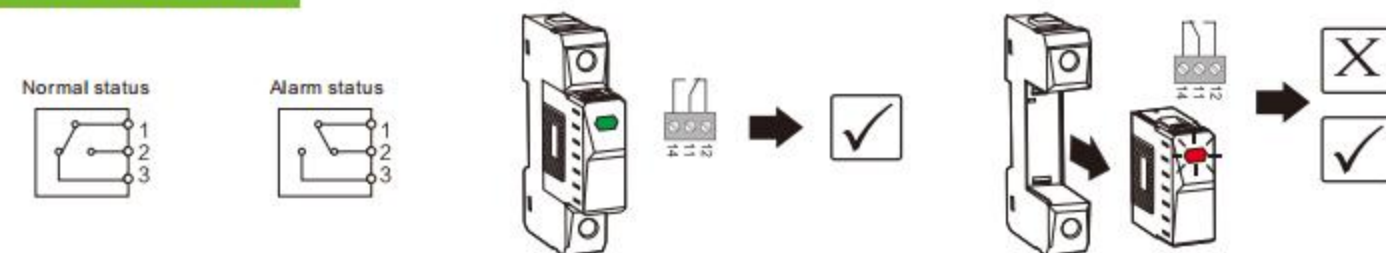
Basic circuit diagram



Standard wiring



Remote signal terminal



G2015DZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2015DZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	5kA						
Max. discharge current (8/20 μs) (Imax)	15kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:15kA,2P:30kA,3P:45kA,4P:60kA,						
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g,2P:180g,3P:270g,4P:360g,						

Type	G2015DZ-1P	G2015DZ-2P	G2015DZ-3P	G2015DZ-4P	G2015DZ-1+NPE	G2015DZ-3+NPE
Ordering number	150V:120442	150V:120454	150V:120466	150V:120478	150V:124101	150V:124102
	280V:120444	280V:120456	280V:120468	280V:120480	280V:120490	280V:120492
	320V:120446	320V:120458	320V:120470	320V:120482	320V:124103	320V:124104
	385V:120448	385V:120460	385V:120472	385V:120484	385V:120494	385V:120496
	440V:120450	440V:120462	440V:120474	440V:120486	440V:124105	440V:124106
Type(Remote signal monitoring)	600V:120452	600V:120464	600V:120476	600V:120488	600V:124107	600V:124108
	G2015DZ-1P-FM	G2015DZ-2P-FM	G2015DZ-3P-FM	G2015DZ-4P-FM	G2015DZ-1+NPE-FM	G2015DZ-3+NPE-FM
	150V:120443	150V:120455	150V:120467	150V:120479	150V:124109	150V:124110
	280V:120445	280V:120457	280V:120469	280V:120481	280V:120491	280V:120493
	320V:120447	320V:120459	320V:120471	320V:120483	320V:124111	320V:124112
Ordering number (Remote signal monitoring)	385V:120449	385V:120461	385V:120473	385V:120485	385V:120495	385V:120497
	440V:120451	440V:120463	440V:120475	440V:120487	440V:124113	440V:124114
	600V:120453	600V:120465	600V:120477	600V:120489	600V:124115	600V:124116

Type	G2015DZ/180-Module	G2015DZ/280-Module	G2015DZ/320-Module	G2015DZ/385-Module	G2015DZ/440-Module	G2015DZ/600-Module	G2015DZ-NPE-Module
Ordering number	120498	120499	120500	120501	120502	120503	120504
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	5kA						
Max. discharge current (8/20 μs) (Imax)	15kA						
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV

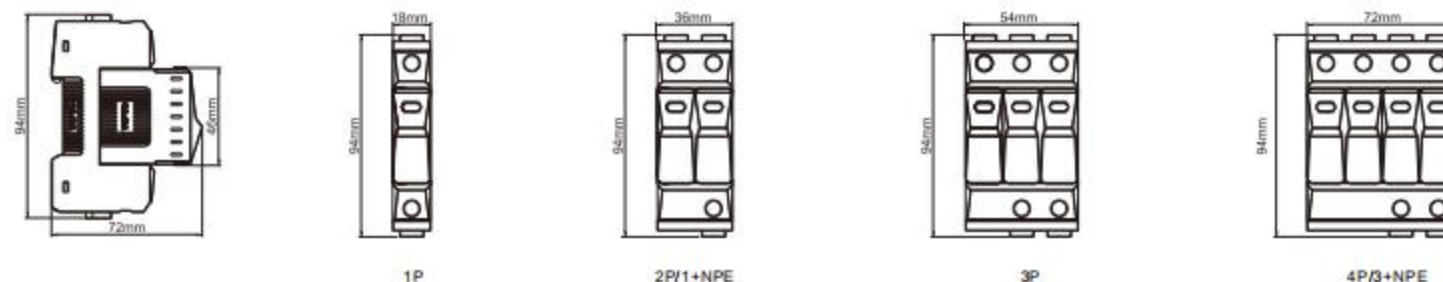


G2015DZ Type2 Surge Protective Devices

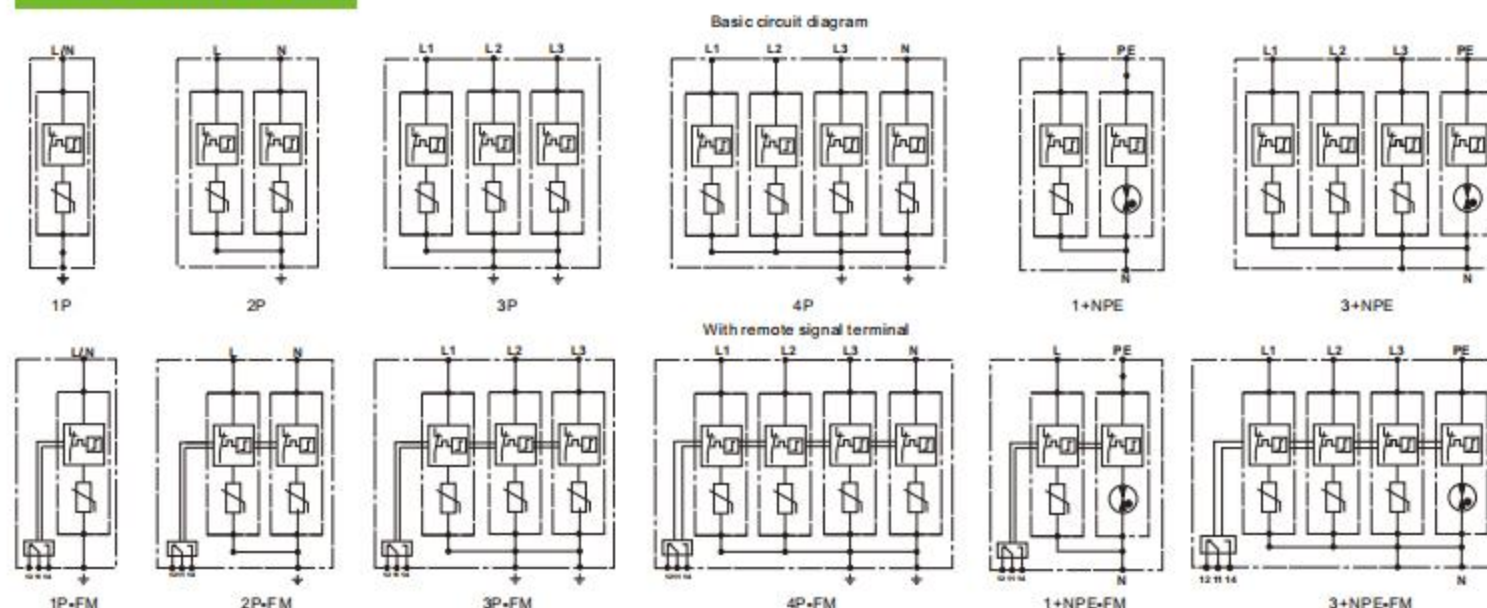
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



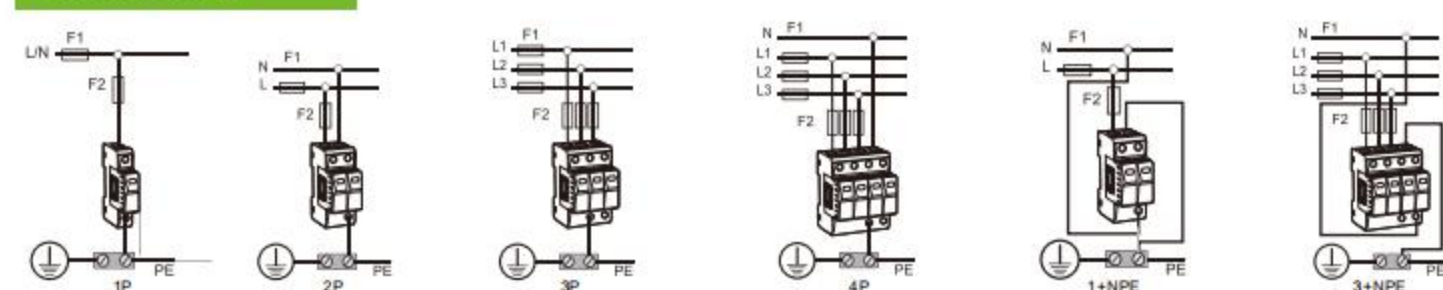
Dimension drawing



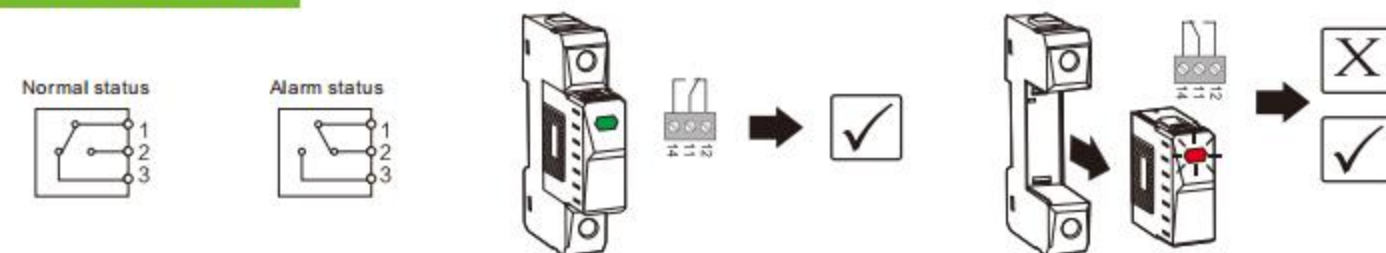
Basic circuit diagram



Standard wiring



Remote signal terminal



G2020MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2020MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	10kA						
Max. discharge current (8/20 μs) (Imax)	20kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:20kA, 2P:40kA, 3P:60kA, 4P:80kA,						
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g, 2P:180g, 3P:270g, 4P:360g,						

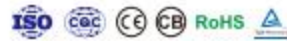
Type	G2020MT-1P	G2020MT-2P	G2020MT-3P	G2020MT-4P	G2020MT-1+NPE	G2020MT-3+NPE
Ordering number	150V:120505	150V:120517	150V:120529	150V:120541	150V:124117	150V:124118
	280V:120507	280V:120519	280V:120531	280V:120543	280V:120553	280V:120555
	320V:120509	320V:120521	320V:120533	320V:120545	320V:124119	320V:124120
	385V:120511	385V:120523	385V:120535	385V:120547	385V:120557	385V:120559
	440V:120513	440V:120525	440V:120537	440V:120549	440V:124121	440V:124122
Type(Remote signal monitoring)	600V:120515	600V:120527	600V:120539	600V:120551	600V:124123	600V:124124
	G2020MT-1P-FM	G2020MT-2P-FM	G2020MT-3P-FM	G2020MT-4P-FM	G2020MT-1+NPE-FM	G2020MT-3+NPE-FM
	150V:120506	150V:120518	150V:120530	150V:120542	150V:124125	150V:124126
	280V:120508	280V:120520	280V:120532	280V:120544	280V:120554	280V:120556
	320V:120510	320V:120522	320V:120534	320V:120546	320V:124127	320V:124128
Ordering number (Remote signal monitoring)	385V:120512	385V:120524	385V:120536	385V:120548	385V:120558	385V:120560
	440V:120514	440V:120526	440V:120538	440V:120550	440V:124129	440V:124130
	600V:120516	600V:120528	600V:120540	600V:120552	600V:124131	600V:124132

Type	G2020MT/150-Module	G2020MT/280-Module	G2020MT/320-Module	G2020MT/385-Module	G2020MT/440-Module	G2020MT/600-Module	G2020MT/NPE-Module
Ordering number	120561	120562	120563	120564	120565	120566	120567
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	10kA						
Max. discharge current (8/20 μs) (Imax)	20kA						
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV	≤2.5kV	≤1.5kV

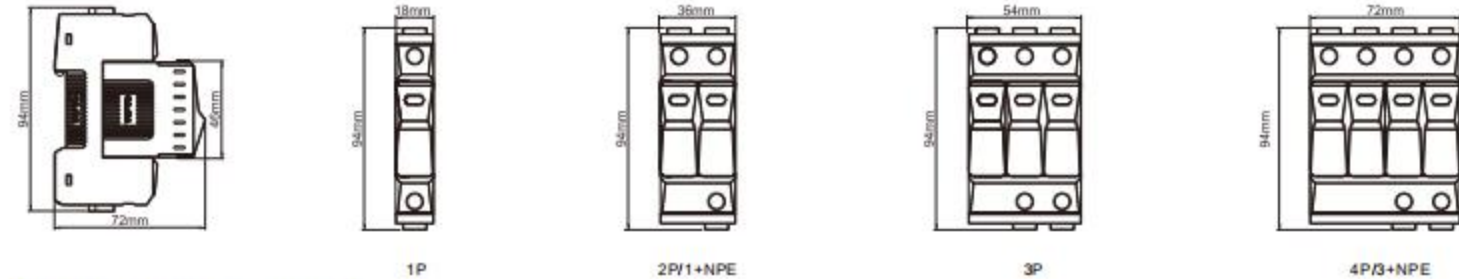


G2020MT Type2 Surge Protective Devices

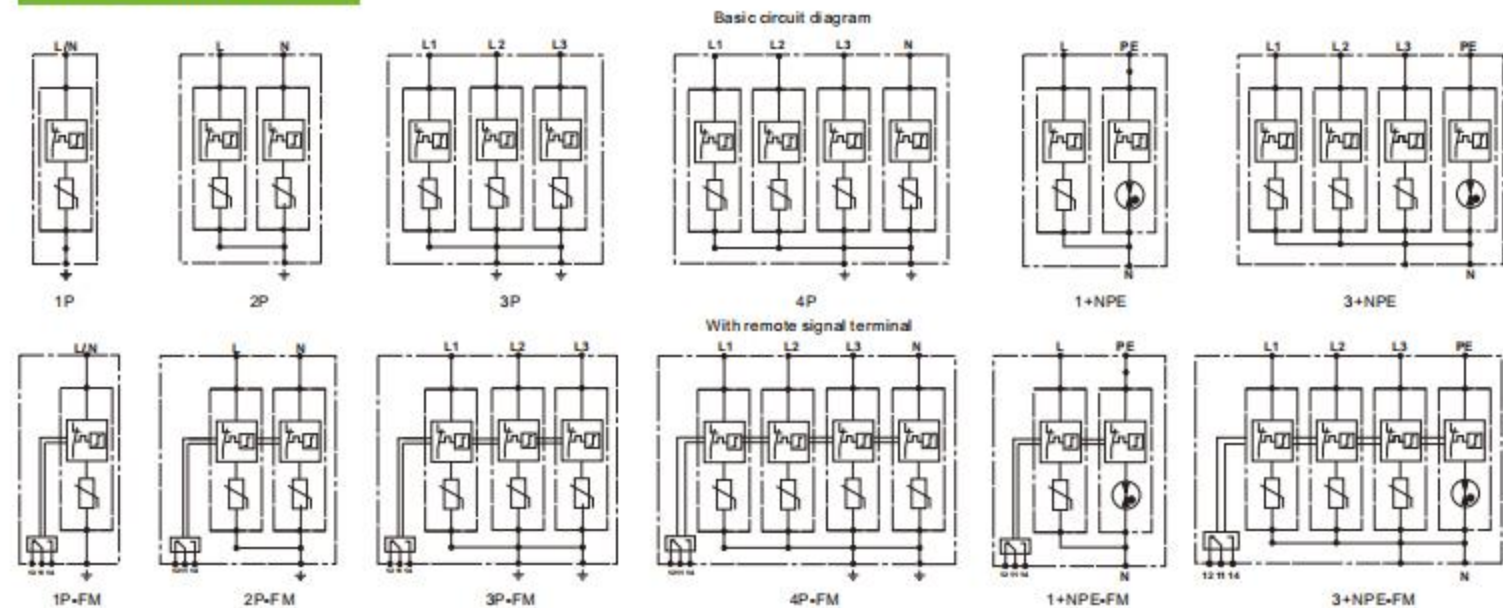
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



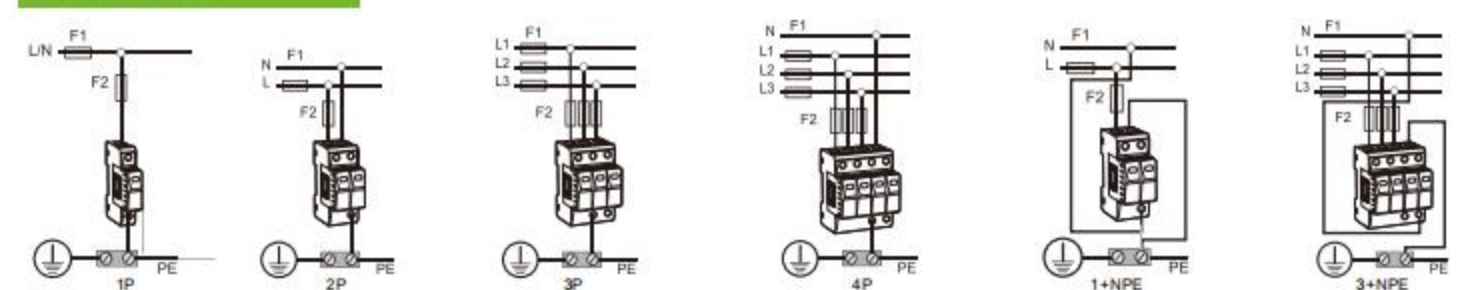
Dimension drawing



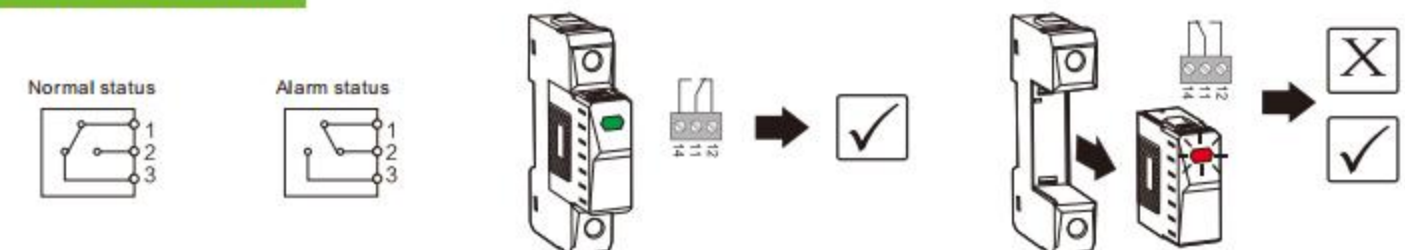
Basic circuit diagram



Standard wiring

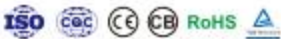


Remote signal terminal



G2025DZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2025DZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	12.5kA						
Max. discharge current (8/20 μs) (Imax)	25kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:25kA,2P:50kA,3P:75kA,4P:100kA,						
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.5kV	≤1.8kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g,2P:180g,3P:270g,4P:360g,						

Type	G2025DZ-1P	G2025DZ-2P	G2025DZ-3P	G2025DZ-4P	G2025DZ-1+NPE	G2025DZ-3+NPE
Ordering number	150V:120568	150V:120580	150V:120592	150V:120604	150V:124133	150V:124134
	280V:120570	280V:120582	280V:120594	280V:120606	280V:120616	280V:120618
	320V:120572	320V:120584	320V:120596	320V:120608	320V:124135	320V:124136
	385V:120574	385V:120586	385V:120598	385V:120610	385V:120620	385V:120622
	440V:120576	440V:120588	440V:120600	440V:120612	440V:124137	440V:124138
Type(Remote signal monitoring)	600V:120578	600V:120590	600V:120602	600V:120614	600V:124139	600V:124140
	G2025DZ-1P-FM	G2025DZ-2P-FM	G2025DZ-3P-FM	G2025DZ-4P-FM	G2025DZ-1+NPE-FM	G2025DZ-3+NPE-FM
	150V:120569	150V:120581	150V:120593	150V:120605	150V:124141	150V:124142
	280V:120571	280V:120583	280V:120595	280V:120607	280V:120617	280V:120619
	320V:120573	320V:120585	320V:120597	320V:120609	320V:124143	320V:124144
Ordering number (Remote signal monitoring)	385V:120575	385V:120587	385V:120599	385V:120611	385V:120621	385V:120623
	440V:120577	440V:120589	440V:120601	440V:120613	440V:124145	440V:124146
	600V:120579	600V:120591	600V:120603	600V:120615	600V:124147	600V:124148

Type	G2025DZ-1P-Module	G2025DZ-2P-Module	G2025DZ-3P-Module	G2025DZ-4P-Module	G2025DZ-1+NPE-Module	G2025DZ-3+NPE-Module
Ordering number	120624	120625	120626	120627	120628	120629
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	255V
Nominal discharge current (8/20 μs) (In)	12.5kA					
Max. discharge current (8/20 μs) (Imax)	25kA					
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.5kV	≤1.8kV	≤1.5kV

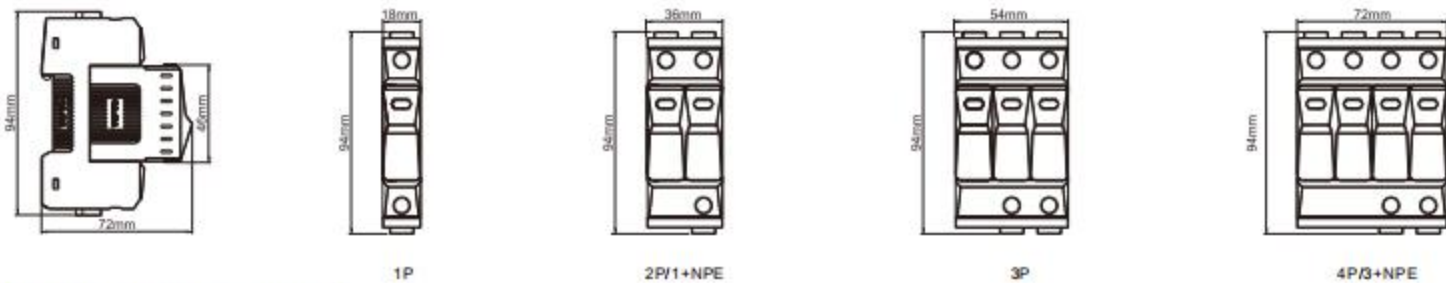


G2025DZ Type2 Surge Protective Devices

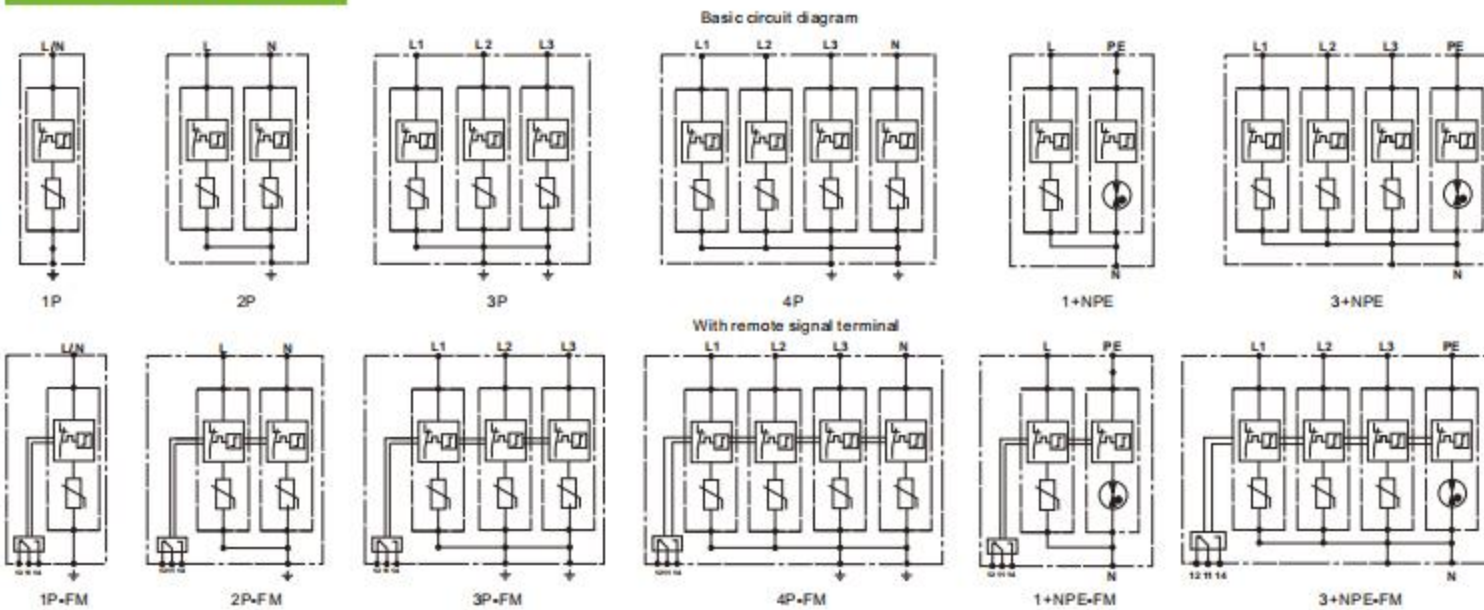
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



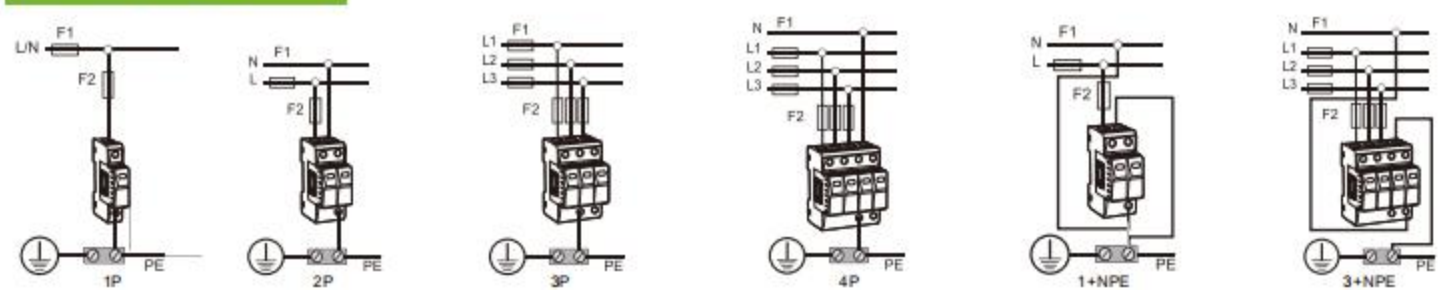
Dimension drawing



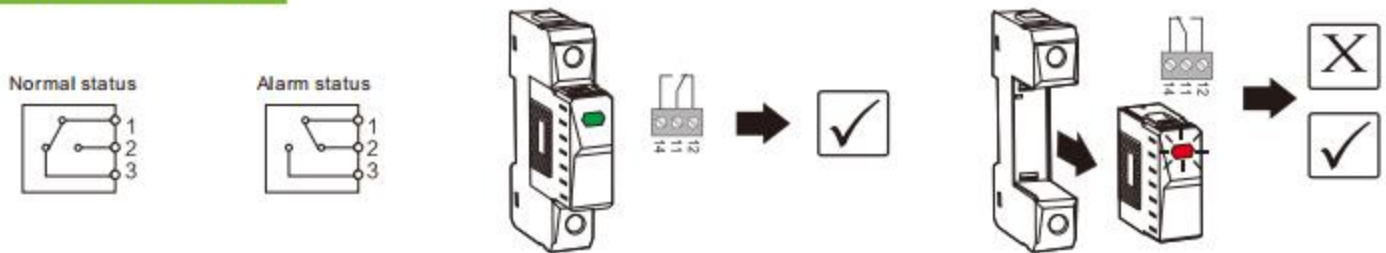
Basic circuit diagram



Standard wiring



Remote signal terminal



G2025XZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2025XZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	25kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:25kA,2P:50kA,3P:75kA,4P:100kA,						
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.5kV	≤1.8kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g,2P:180g,3P:270g,4P:360g,						

Type	G2025XZ-1P	G2025XZ-2P	G2025XZ-3P	G2025XZ-4P	G2025XZ-1+NPE	G2025XZ-3+NPE
Ordering number	150V:120631	150V:120643	150V:120655	150V:120667	150V:124149	150V:124150
	280V:120633	280V:120645	280V:120657	280V:120669	280V:120679	280V:120681
	320V:120635	320V:120647	320V:120659	320V:120671	320V:124151	320V:124152
	385V:120637	385V:120649	385V:120661	385V:120673	385V:120683	385V:120685
	440V:120639	440V:120651	440V:120663	440V:120675	440V:124153	440V:124154
Type(Remote signal monitoring)	600V:120641	600V:120653	600V:120665	600V:120677	600V:124155	600V:124156
	G2025XZ-1P-FM	G2025XZ-2P-FM	G2025XZ-3P-FM	G2025XZ-4P-FM	G2025XZ-1+NPE-FM	G2025XZ-3+NPE-FM
	150V:120632	150V:120644	150V:120656	150V:120668	150V:124157	150V:124158
	280V:120634	280V:120646	280V:120658	280V:120670	280V:120680	280V:120682
	320V:120636	320V:120648	320V:120660	320V:120672	320V:124159	320V:124160
Ordering number (Remote signal monitoring)	385V:120638	385V:120650	385V:120662	385V:120674	385V:120684	385V:120686
	440V:120640	440V:120652	440V:120664	440V:120676	440V:124161	440V:124162
	600V:120642	600V:120654	600V:120666	600V:120678	600V:124163	600V:124164

Type	G2025XZ/150-Module	G2025XZ/280-Module	G2025XZ/320-Module	G2025XZ/385-Module	G2025XZ/440-Module	G2025XZ/600-Module	G2025XZ-NPE-Module
Ordering number	120687	120688	120689	120690	120691	120692	120693
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	25kA						
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.5kV	≤1.8kV	≤2.5kV	≤1.5kV

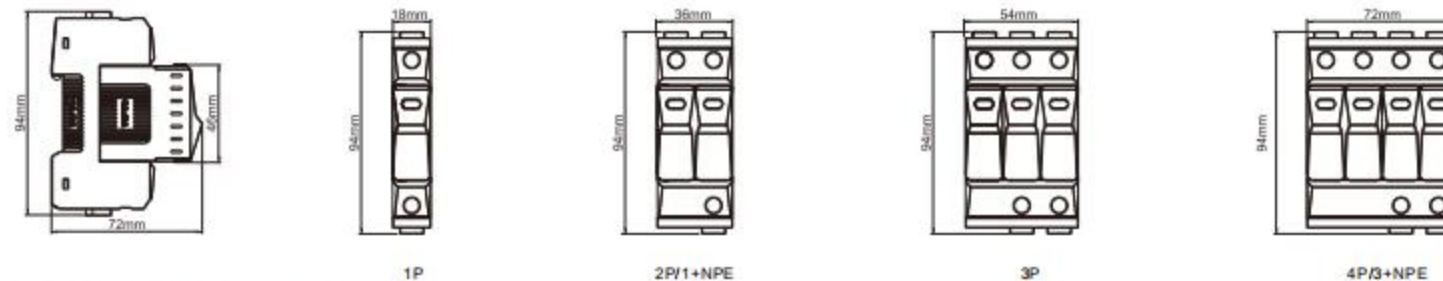


G2025XZ Type2 Surge Protective Devices

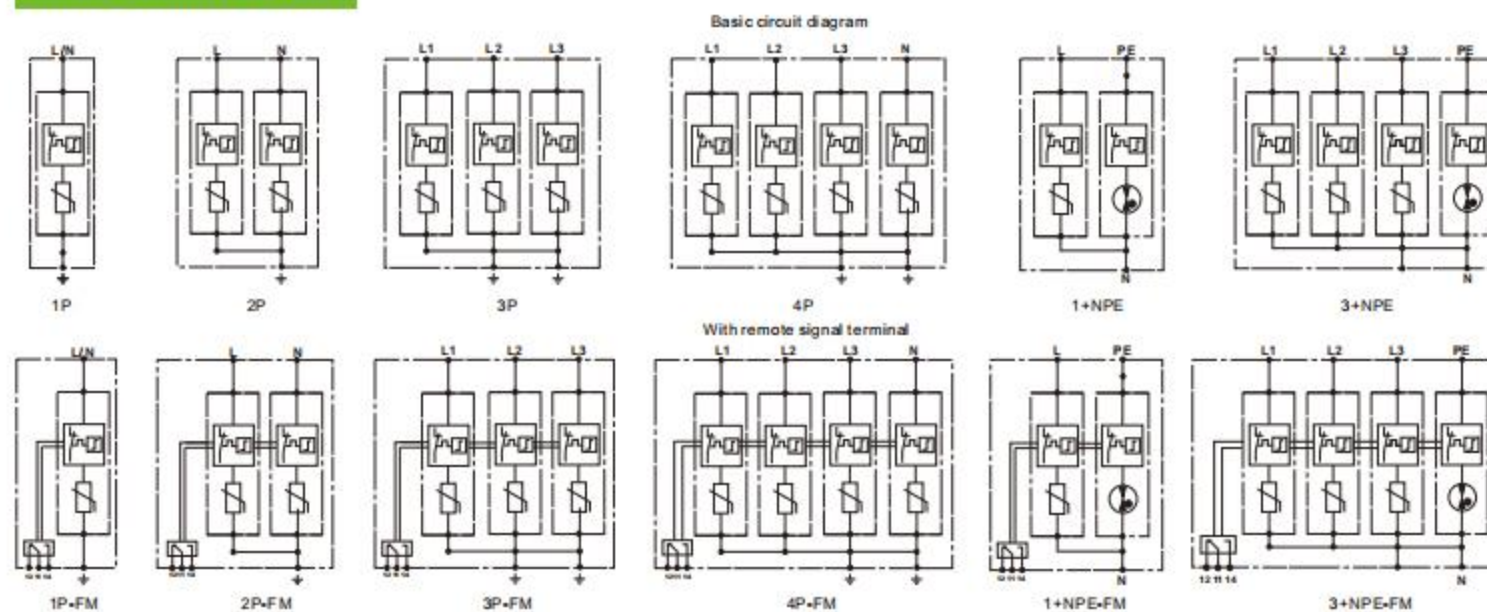
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



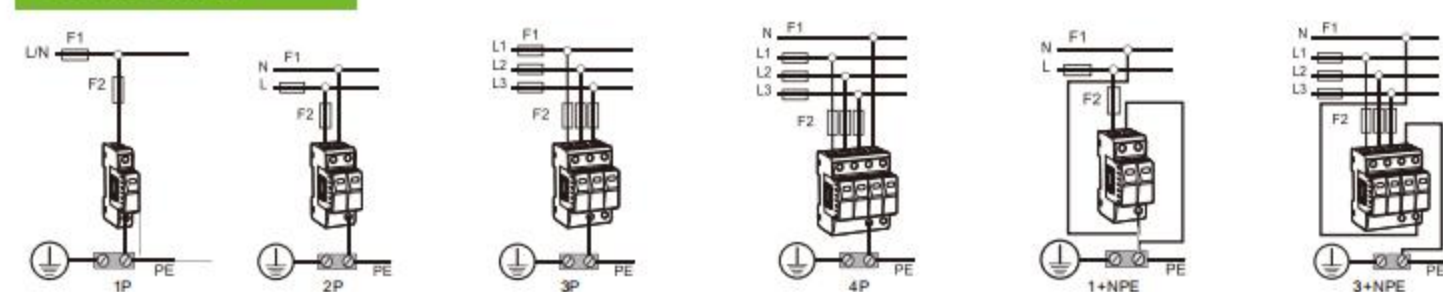
Dimension drawing



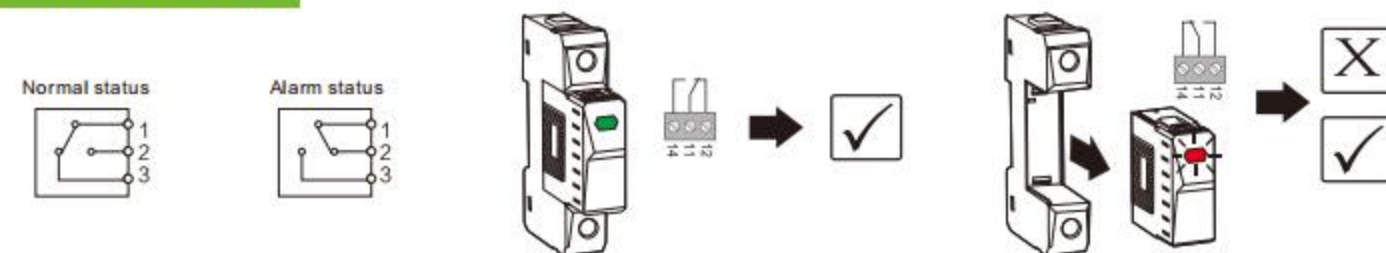
Basic circuit diagram



Standard wiring



Remote signal terminal



G2030DZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2030DZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	30kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:30kA,2P:60kA,3P:90kA,4P:120kA,						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV
Response time (t _a)	25ns						100ns
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:90g,2P:180g,3P:270g,4P:360g,						

Type	G2030DZ-1P	G2030DZ-2P	G2030DZ-3P	G2030DZ-4P	G2030DZ-1+NPE	G2030DZ-3+NPE
Ordering number	150V:120694	150V:120706	150V:120718	150V:120730	150V:124165	150V:124166
	280V:120696	280V:120708	280V:120720	280V:120732	280V:120742	280V:120744
	320V:120698	320V:120710	320V:120722	320V:120734	320V:124167	320V:124168
	385V:120700	385V:120712	385V:120724	385V:120736	385V:120746	385V:120748
	440V:120702	440V:120714	440V:120726	440V:120738	440V:124169	440V:124170
	600V:120704	600V:120716	600V:120728	600V:120740	600V:124171	600V:124172
Type(Remote signal monitoring)	G2030DZ-1P-FM	G2030DZ-2P-FM	G2030DZ-3P-FM	G2030DZ-4P-FM	G2030DZ-1+NPE-FM	G2030DZ-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:120695	150V:120707	150V:120719	150V:120731	150V:124173	150V:124174
	280V:120697	280V:120709	280V:120721	280V:120733	280V:120743	280V:120745
	320V:120699	320V:120711	320V:120723	320V:120735	320V:124175	320V:124176
	385V:120701	385V:120713	385V:120725	385V:120737	385V:120747	385V:120749
	440V:120703	440V:120715	440V:120727	440V:120739	440V:124177	440V:124178
	600V:120705	600V:120717	600V:120729	600V:120741	600V:124179	600V:124180

Type	G2030DZ/150-Module	G2030DZ/280-Module	G2030DZ/320-Module	G2030DZ/385-Module	G2030DZ/440-Module	G2030DZ/600-Module	G2030DZ-NPE-Module
Ordering number	120750	120751	120752	120753	120754	120755	120756
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	30kA						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV

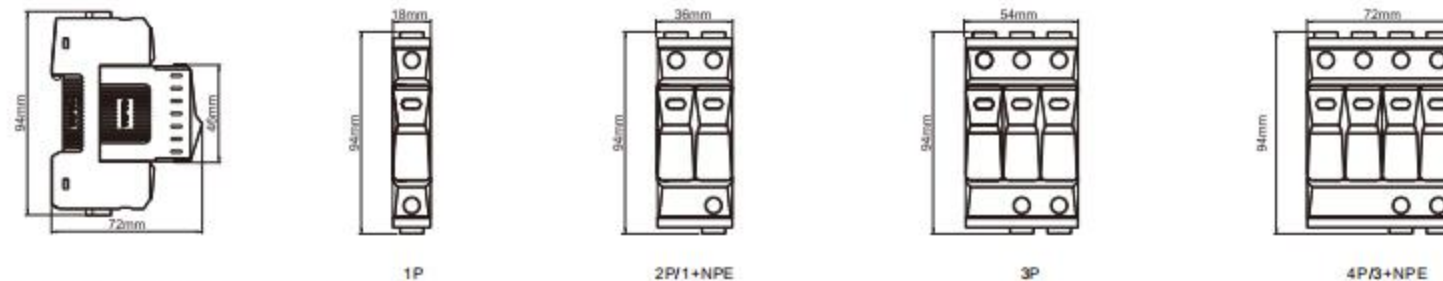


G2030DZ Type2 Surge Protective Devices

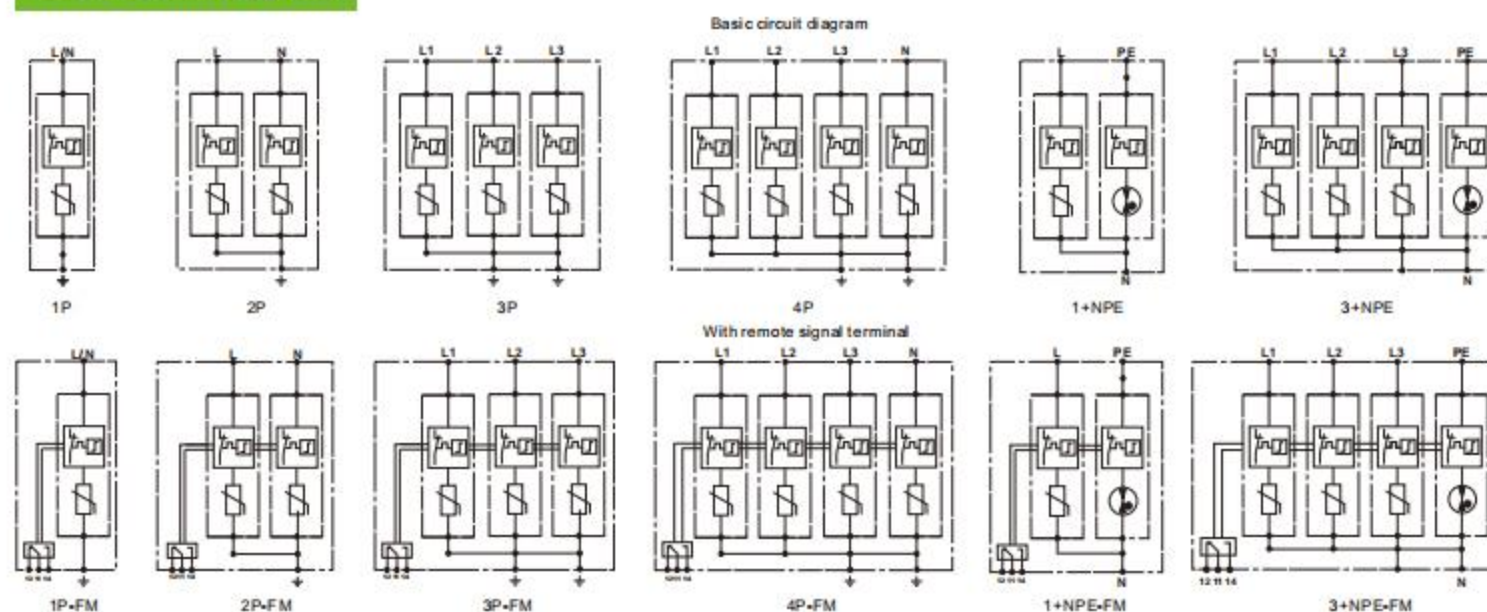
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



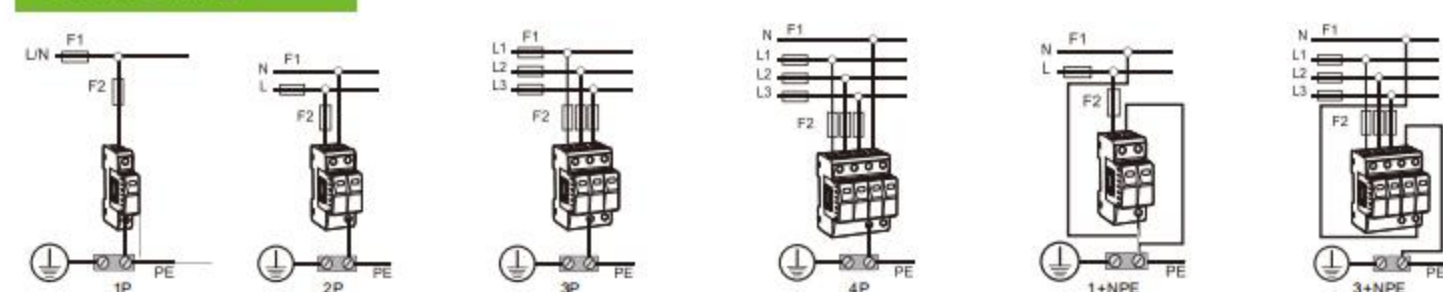
Dimension drawing



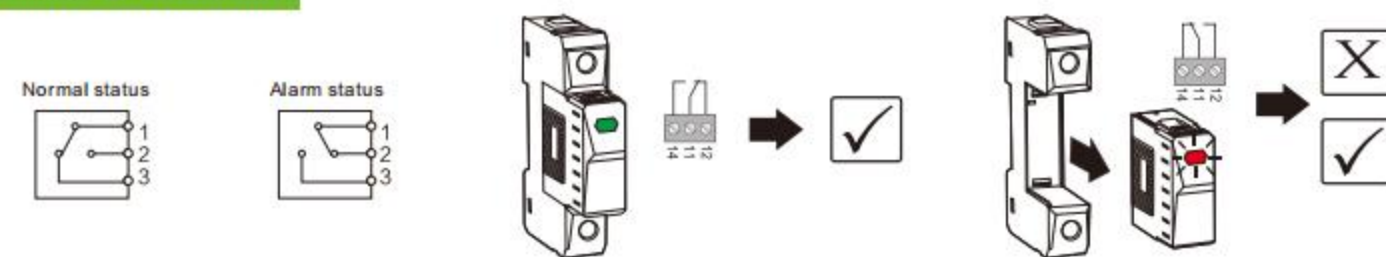
Basic circuit diagram



Standard wiring



Remote signal terminal



G2040MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2040MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:40kA, 2P:80kA, 3P:120kA, 4P:160kA,						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	TUV,CB,CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

Type	G2040MT-1P	G2040MT-2P	G2040MT-3P	G2040MT-4P	G2040MT-1+NPE	G2040MT-3+NPE
Ordering number	150V:120757	150V:120769	150V:120781	150V:120793	150V:124181	150V:124182
	280V:120759	280V:120771	280V:120783	280V:120795	280V:120805	280V:120807
	320V:120761	320V:120773	320V:120785	320V:120797	320V:124183	320V:124184
	385V:120763	385V:120775	385V:120787	385V:120799	385V:120809	385V:120811
	440V:120765	440V:120777	440V:120789	440V:120801	440V:124185	440V:124186
	600V:120767	600V:120779	600V:120791	600V:120803	600V:124187	600V:124188
Type(Remote signal monitoring)	G2040MT-1P-FM	G2040MT-2P-FM	G2040MT-3P-FM	G2040MT-4P-FM	G2040MT-1+NPE-FM	G2040MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:120758	150V:120770	150V:120782	150V:120794	150V:124189	150V:124190
	280V:120760	280V:120772	280V:120784	280V:120796	280V:120806	280V:120808
	320V:120762	320V:120774	320V:120786	320V:120798	320V:124191	320V:124192
	385V:120764	385V:120776	385V:120788	385V:120800	385V:120810	385V:120812
	440V:120766	440V:120778	440V:120790	440V:120802	440V:124193	440V:124194
	600V:120768	600V:120780	600V:120792	600V:120804	600V:124195	600V:124196

Type	G2040MT/150-Module	G2040MT/280-Module	G2040MT/320-Module	G2040MT/385-Module	G2040MT/440-Module	G2040MT/600-Module	G2040MT/NPE-Module
Ordering number	120813	120814	120815	120816	120817	120818	120819
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV

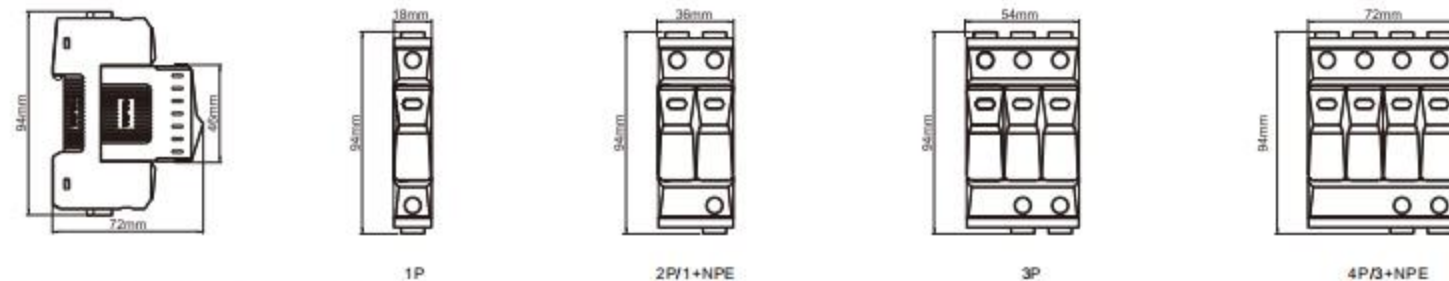


G2040MT Type2 Surge Protective Devices

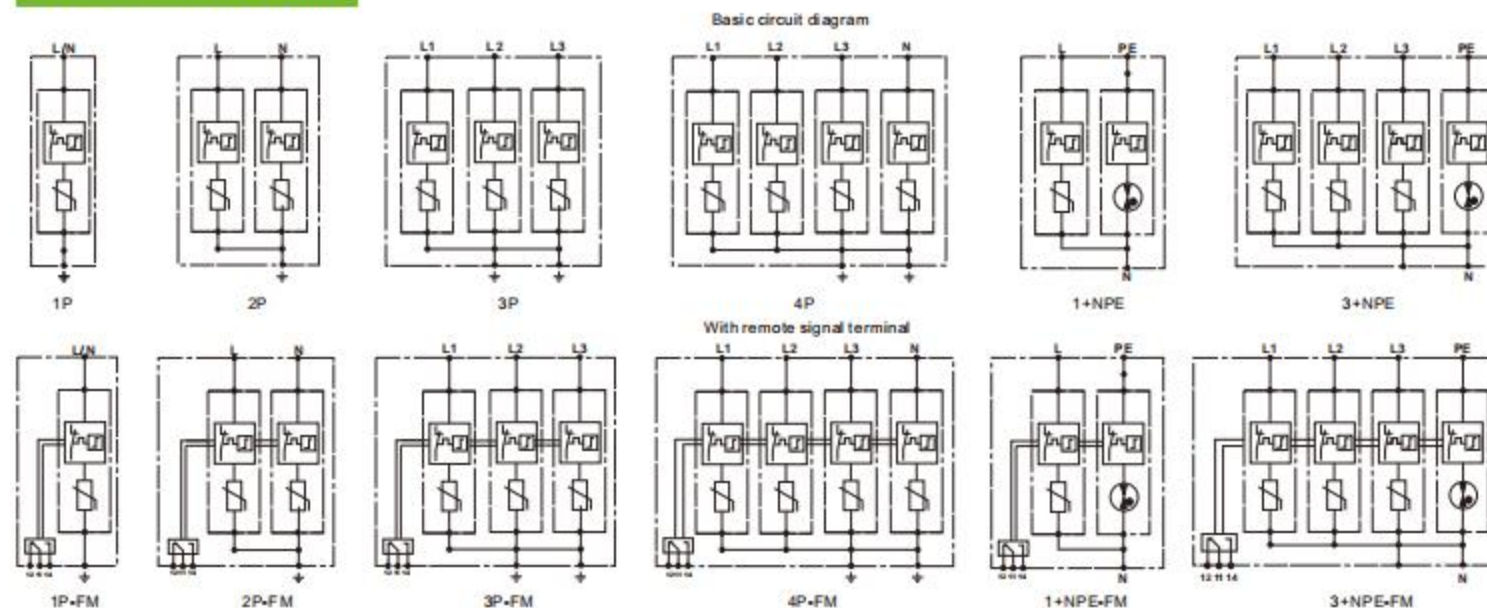
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



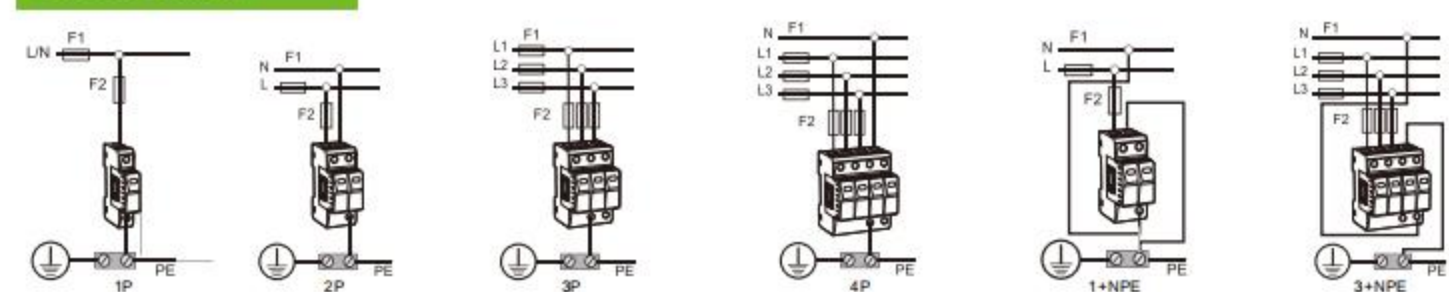
Dimension drawing



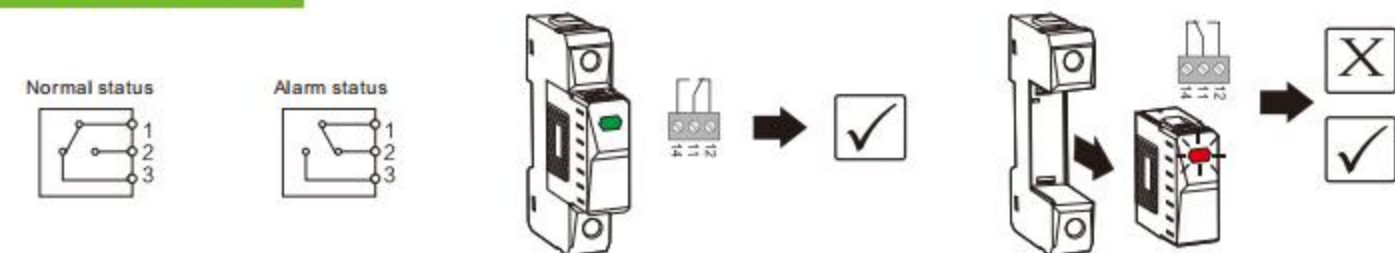
Basic circuit diagram



Standard wiring



Remote signal terminal



G20XXMT/S or SN Type2 Surge Protective Devices

- Innovative tripping and breaking technology, 1P=2P, 2P=4P
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2010MT/S, G2010MT/SN	G2020MT/S, G2020MT/SN	G2040MT/S, G2040MT/SN
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2		
Max. continuous operating voltage (a.c.) (Uc)	150V/280V/320V/385V/440V/255V	150V/280V/320V/385V/440V/255V	150V/280V/320V/385V/440V/255V
Nominal discharge current (8/20 μs) (In)	5kA	10kA	20kA
Max. discharge current (8/20 μs) (Imax)	10kA	20kA	40kA
Total lightning current (8/20 μs) L1-N→PE (Imax) total	2P:20kA, 4P:40kA,	2P:40kA, 4P:80kA,	2P:80kA, 4P:160kA,
Voltage protection level (Up)	≤0.7/0.8/1.0/1.2/1.6/1.5kV	≤0.8/1.0/1.2/1.45/1.6/1.5kV	≤1.0/1.3/1.4/1.6/2.2/1.5kV
Response time (t _a)	G20XXMT/S:25ns, G20XXMT/SN:25/100ns		
Operating temperature range (T _U)	-40 °C ... +80 °C		
Operating state / fault indication	Green:normal Red:invalid		
Number of ports	1		
For mounting on	35 mm DIN rails acc. to EN 60715		
Place of installation	indoor installation		
Degree of protection	IP20		
Approvals	CE, ROHS, CQC		
Weight	2P:90g, 4:180g,		

Type	G2010MT/S-2P	G2010MT/S-4P	G2010MT/SN-1+NPE	G2010MT/SN-3+NPE	G2020MT/S-2P	G2020MT/S-4P	G2020MT/SN-1+NPE	G2020MT/SN-3+NPE
Ordering number	150V:124655 280V:124656 320V:124657 385V:124658 440V:124659	150V:124665 280V:124666 320V:124667 385V:124668 440V:124669	150V:124675 280V:124676 320V:124677 385V:124678 440V:124679	150V:124684 280V:124685 320V:124686 385V:124687 440V:124688	150V:124694 280V:124695 320V:124696 385V:124697 440V:124698	150V:124704 280V:124705 320V:124706 385V:124707 440V:124708	150V:124714 280V:124715 320V:124716 385V:124717 440V:124718	150V:124724 280V:124725 320V:124726 385V:124727 440V:124728
Type(Remote signal monitoring)	G2010MT/S-2P-FM	G2010MT/S-4P-FM	G2010MT/SN-1+NPE-FM	G2010MT/SN-3+NPE-FM	G2020MT/S-2P-FM	G2020MT/S-4P-FM	G2020MT/SN-1+NPE-FM	G2020MT/SN-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:124660 280V:124661 320V:124662 385V:124663 440V:124664	150V:124670 280V:124671 320V:124672 385V:124673 440V:124674	150V:124679 280V:124680 320V:124681 385V:124682 440V:124683	150V:124689 280V:124690 320V:124691 385V:124692 440V:124693	150V:124699 280V:124700 320V:124701 385V:124702 440V:124703	150V:124709 280V:124710 320V:124711 385V:124712 440V:124713	150V:124719 280V:124720 320V:124721 385V:124722 440V:124723	150V:124729 280V:124730 320V:124731 385V:124732 440V:124733

Type	G2040MT/S-2P	G2040MT/S-4P	G2040MT/SN-1+NPE	G2040MT/SN-3+NPE
Ordering number	150V:124734 280V:124735 320V:124736 385V:124737 440V:124738	150V:124744 280V:124745 320V:124746 385V:124747 440V:124748	150V:124754 280V:124755 320V:124756 385V:124757 440V:124758	150V:124764 280V:124765 320V:124766 385V:124767 440V:124768
Type(Remote signal monitoring)	G2040MT/S-2P-FM	G2040MT/S-4P-FM	G2040MT/SN-1+NPE-FM	G2040MT/SN-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:124739 280V:124740 320V:124741 385V:124742 440V:124743	150V:124749 280V:124750 320V:124751 385V:124752 440V:124753	150V:124759 280V:124760 320V:124761 385V:124762 440V:124763	150V:124769 280V:124770 320V:124771 385V:124772 440V:124773

G20XXMT/S or SN Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.

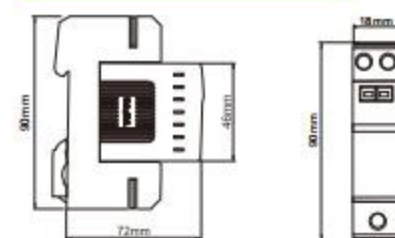


Type	G2010MT/150-M module	G2010MT/280-M module	G2010MT/320-M module	G2010MT/385-M module	G2010MT/440-M module	G2010MT/NPE-M module
Ordering number	124774	124775	124776	124777	124778	124779
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V
Nominal discharge current (8/20 μs) (In)	5kA					
Max. discharge current (8/20 μs) (Imax)	10kA					
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV

Type	G2020MT/150-M module	G2020MT/280-M module	G2020MT/320-M module	G2020MT/385-M module	G2020MT/440-M module	G2020MT/NPE-M module
Ordering number	124780	124781	124782	124783	124784	124785
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V
Nominal discharge current (8/20 μs) (In)	10kA					
Max. discharge current (8/20 μs) (Imax)	20kA					
Voltage protection level (Up)	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV	≤2.0kV

Type	G2040MT/150-M module	G2040MT/280-M module	G2040MT/320-M module	G2040MT/385-M module	G2040MT/440-M module	G2040MT/NPE-M module
Ordering number	124786	124787	124788	124789	124790	124791
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V
Nominal discharge current (8/20 μs) (In)	20kA					
Max. discharge current (8/20 μs) (Imax)	40kA					
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV

Dimension drawing



2P/1+NPE

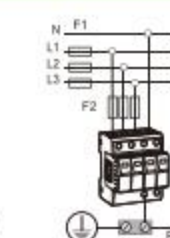


4P/3+NPE

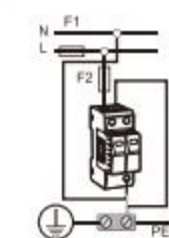
Standard wiring



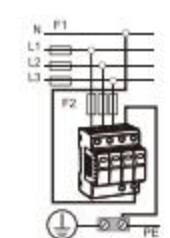
2P



4P



1+NPE

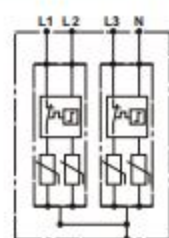


3+NPE

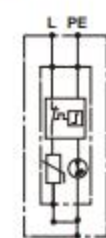
Basic circuit diagram



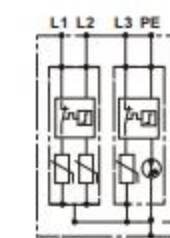
2P



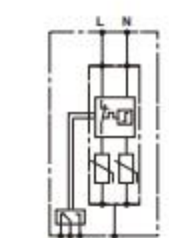
4P



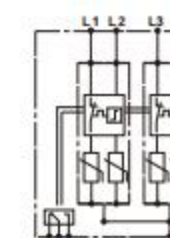
1+NPE



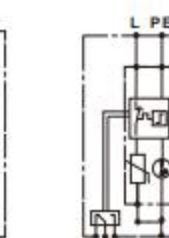
3+NPE



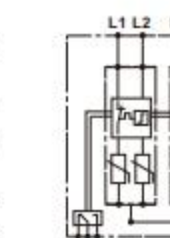
2P-FM



4P-FM



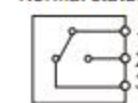
1+NPE-FM



3+NPE-FM

Remote signal terminal

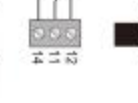
Normal status



Alarm status



Normal status



Alarm status



Normal status



G2040DZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2040DZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:40kA, 2P:80kA, 3P:120kA, 4P:160kA,						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

Type	G2040DZ-1P	G2040DZ-2P	G2040DZ-3P	G2040DZ-4P	G2040DZ-1+NPE	G2040DZ-3+NPE
Ordering number	150V:120820	150V:120832	150V:120844	150V:120856	150V:124197	150V:124198
	280V:120822	280V:120834	280V:120846	280V:120858	280V:120868	280V:120870
	320V:120824	320V:120836	320V:120848	320V:120860	320V:124199	320V:124200
	385V:120826	385V:120838	385V:120850	385V:120862	385V:120872	385V:120874
	440V:120828	440V:120840	440V:120852	440V:120864	440V:124201	440V:124202
	600V:120830	600V:120842	600V:120854	600V:120866	600V:124203	600V:124204
Type(Remote signal monitoring)	G2040DZ-1P-FM	G2040DZ-2P-FM	G2040DZ-3P-FM	G2040DZ-4P-FM	G2040DZ-1+NPE-FM	G2040DZ-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:120821	150V:120833	150V:120845	150V:120857	150V:124205	150V:124206
	280V:120823	280V:120835	280V:120847	280V:120859	280V:120869	280V:120871
	320V:120825	320V:120837	320V:120849	320V:120861	320V:124207	320V:124208
	385V:120827	385V:120839	385V:120851	385V:120863	385V:120873	385V:120875
	440V:120829	440V:120841	440V:120853	440V:120865	440V:124209	440V:124210
	600V:120831	600V:120843	600V:120855	600V:120867	600V:124211	600V:124212

Type	G2040DZ/150-Module	G2040DZ/280-Module	G2040DZ/320-Module	G2040DZ/385-Module	G2040DZ/440-Module	G2040DZ/600-Module	G2040DZ-NPE-Module
Ordering number	120876	120877	120878	120879	120880	120881	120882
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	15kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV

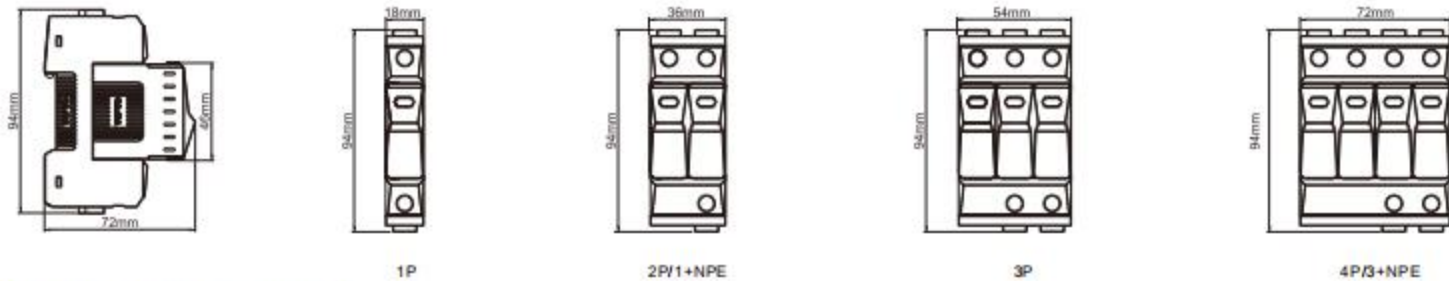


G2040DZ Type2 Surge Protective Devices

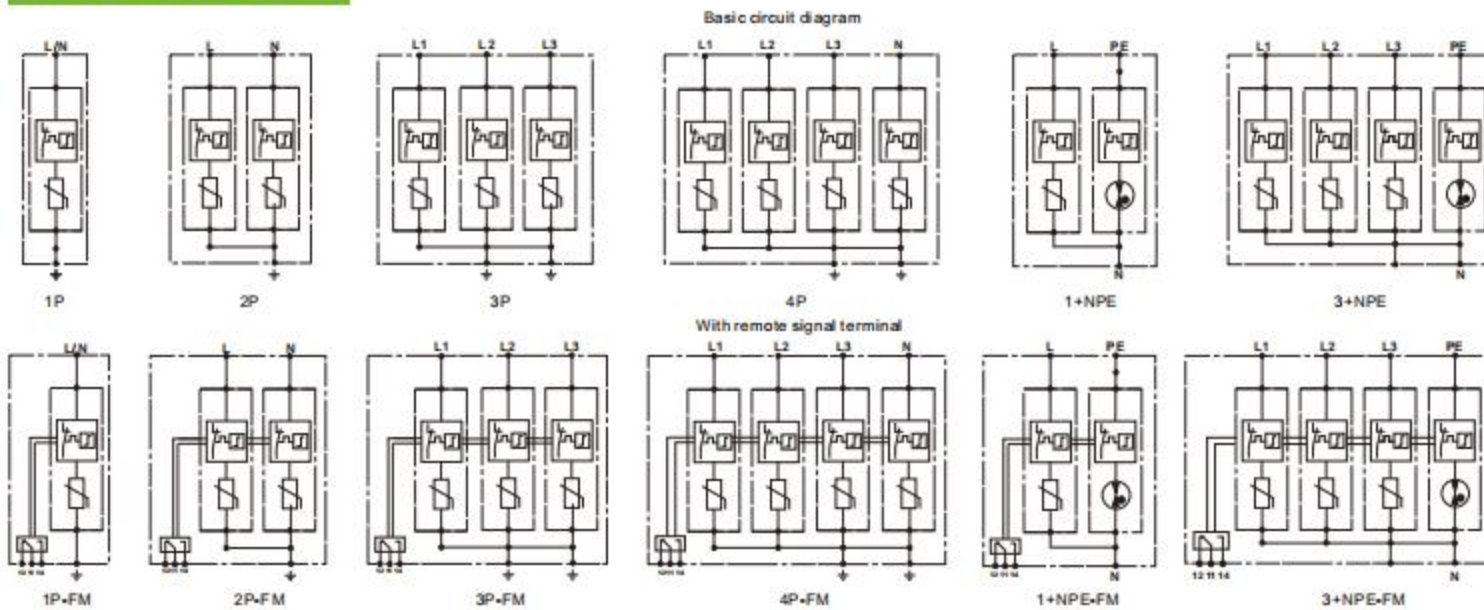
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



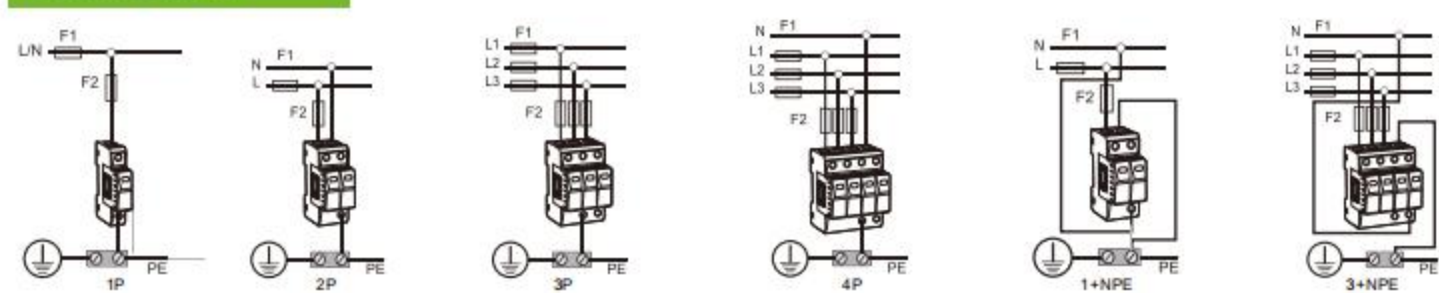
Dimension drawing



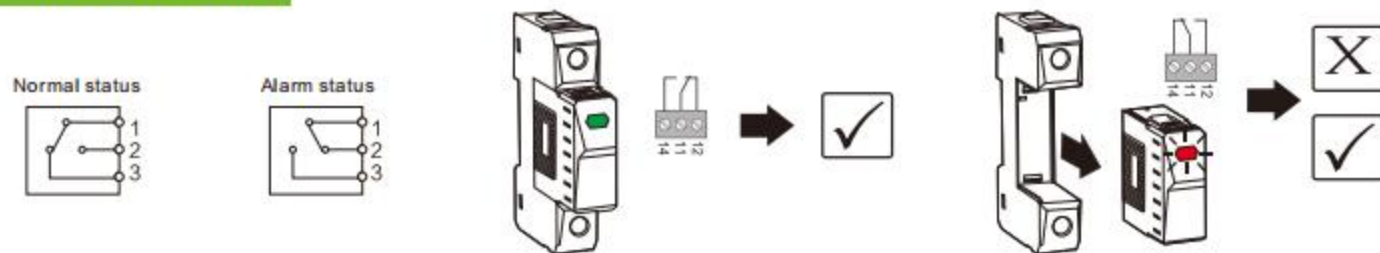
Basic circuit diagram



Standard wiring



Remote signal terminal



G2050DZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2050DZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	50kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:50kA, 2P:100kA, 3P:150kA, 4P:200kA,						
Voltage protection level (Up)	≤1.0kV	≤1.5kV	≤1.5kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	Indoor installation						
Degree of protection	IP20						
Approvals	TUV, CB, CE, ROHS, CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

Type	G2050DZ-1P	G2050DZ-2P	G2050DZ-3P	G2050DZ-4P	G2050DZ-1+NPE	G2050DZ-3+NPE
Ordering number	150V:120883	150V:120895	150V:120907	150V:120919	150V:124213	150V:124214
	280V:120885	280V:120897	280V:120909	280V:120921	280V:120931	280V:120933
	320V:120887	320V:120899	320V:120911	320V:120923	320V:124215	320V:124216
	385V:120889	385V:120901	385V:120913	385V:120925	385V:120935	385V:120937
	440V:120891	440V:120903	440V:120915	440V:120927	440V:124217	440V:124218
Type(Remote signal monitoring)	600V:120893	600V:120905	600V:120917	600V:120929	600V:124219	600V:124220
	G2050DZ-1P-FM	G2050DZ-2P-FM	G2050DZ-3P-FM	G2050DZ-4P-FM	G2050DZ-1+NPE-FM	G2050DZ-3+NPE-FM
	150V:120884	150V:120896	150V:120908	150V:120920	150V:124221	150V:124222
	280V:120886	280V:120898	280V:120910	280V:120922	280V:120932	280V:120934
	320V:120888	320V:120900	320V:120912	320V:120924	320V:124223	320V:124224
Ordering number (Remote signal monitoring)	385V:120890	385V:120902	385V:120914	385V:120926	385V:120936	385V:120938
	440V:120892	440V:120904	440V:120916	440V:120928	440V:124225	440V:124226
	600V:120894	600V:120906	600V:120918	600V:120930	600V:124227	600V:124228

Type	G2050DZ/150-Module	G2050DZ/280-Module	G2050DZ/320-Module	G2050DZ/385-Module	G2050DZ/440-Module	G2050DZ/600-Module	G2050DZ-NPE-Module
Ordering number	120939	120940	120941	120942	120943	120944	120945
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	50kA						
Voltage protection level (Up)	≤1.0kV	≤1.5kV	≤1.5kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV

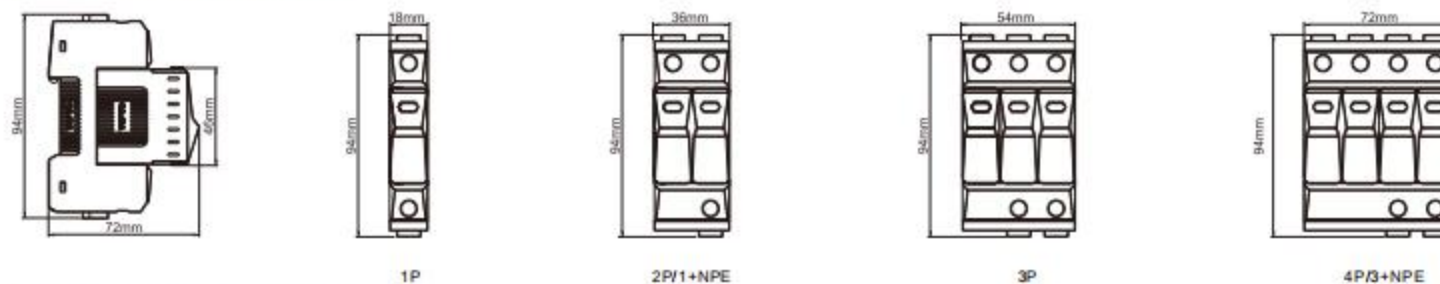


G2050DZ Type2 Surge Protective Devices

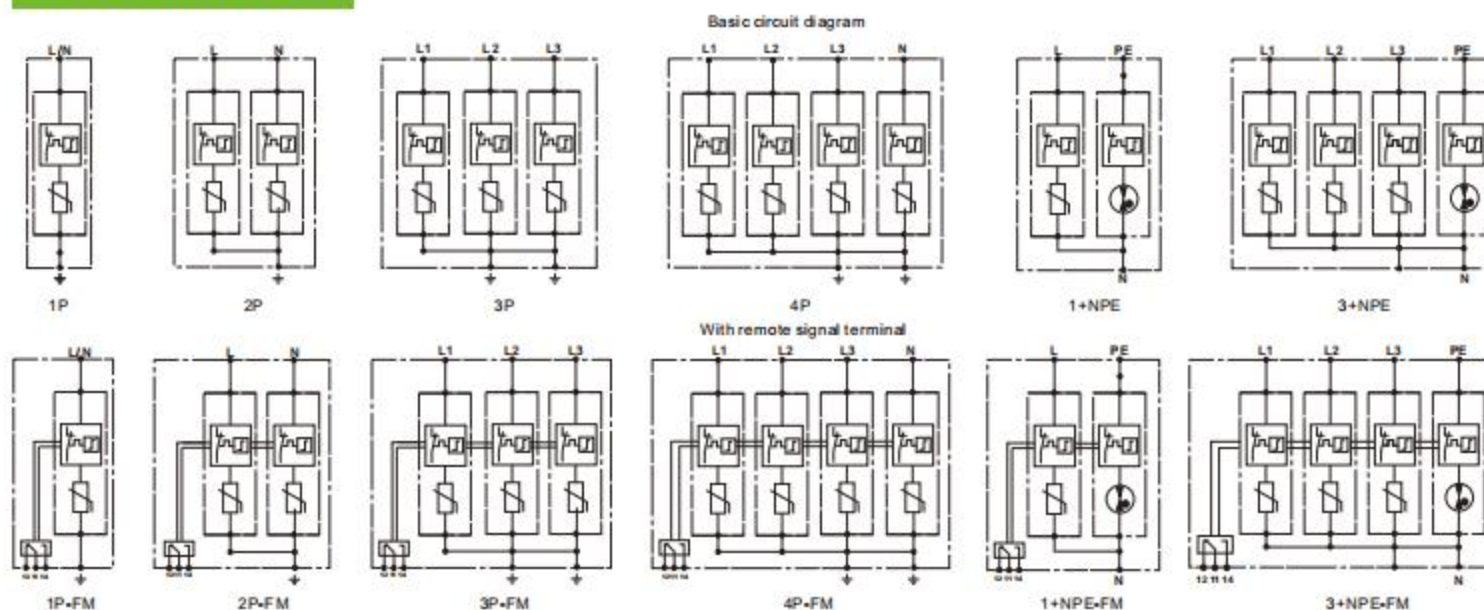
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



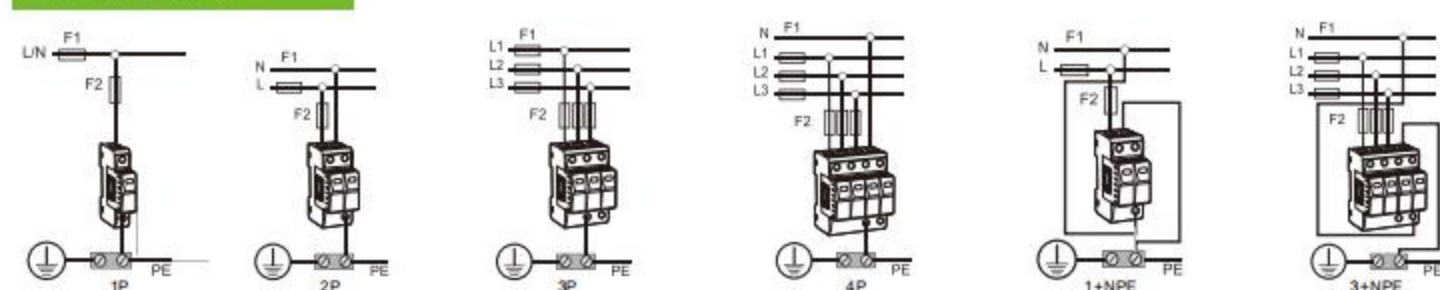
Dimension drawing



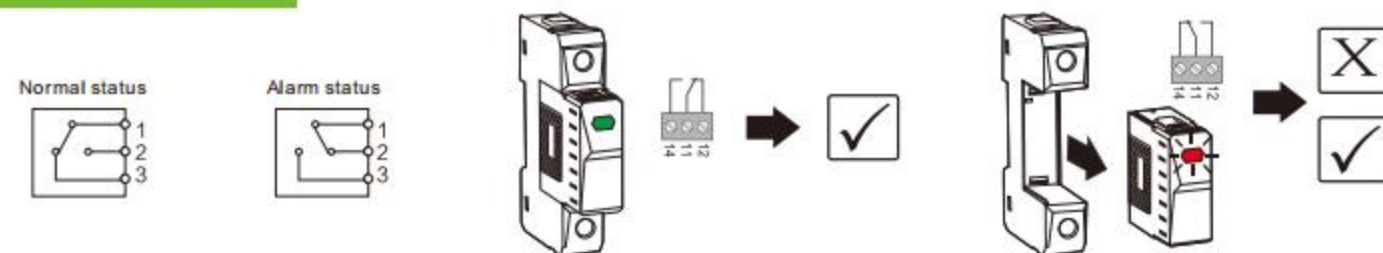
Basic circuit diagram



Standard wiring



Remote signal terminal



G2050XZ Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2050XZ						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	50kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:50kA, 2P:100kA, 3P:150kA, 4P:200kA,						
Voltage protection level (Up)	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.4kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

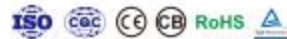
Type	G2050XZ-1P	G2050XZ-2P	G2050XZ-3P	G2050XZ-4P	G2050XZ-1+NPE	G2050XZ-3+NPE
Ordering number	150V:120946	150V:120958	150V:120970	150V:120982	150V:124229	150V:124230
	280V:120948	280V:120960	280V:120972	280V:120984	280V:120994	280V:120996
	320V:120950	320V:120962	320V:120974	320V:120986	320V:124231	320V:124232
	385V:120952	385V:120964	385V:120976	385V:120988	385V:120998	385V:121000
	440V:120954	440V:120966	440V:120978	440V:120990	440V:124233	440V:124234
	600V:120953	600V:120968	600V:120980	600V:120992	600V:124235	600V:124236
Type(Remote signal monitoring)	G2050XZ-1P-FM	G2050XZ-2P-FM	G2050XZ-3P-FM	G2050XZ-4P-FM	G2050XZ-1+NPE-FM	G2050XZ-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:120947	150V:120959	150V:120971	150V:120983	150V:124237	150V:124238
	280V:120949	280V:120961	280V:120973	280V:120985	280V:120995	280V:120997
	320V:120951	320V:120963	320V:120975	320V:120987	320V:124239	320V:124240
	385V:120953	385V:120965	385V:120977	385V:120989	385V:120999	385V:121001
	440V:120955	440V:120967	440V:120979	440V:120991	440V:124241	440V:124242
	600V:120957	600V:120969	600V:120981	600V:120993	600V:124243	600V:124244

Type	G2050XZ/150-Module	G2050XZ/280-Module	G2050XZ/320-Module	G2050XZ/385-Module	G2050XZ/440-Module	G2050XZ/600-Module	G2050XZ-NPE-Module
Ordering number	121002	121003	121004	121005	121006	121007	121008
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	50kA						
Voltage protection level (Up)	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.4kV	≤2.5kV	≤1.5kV

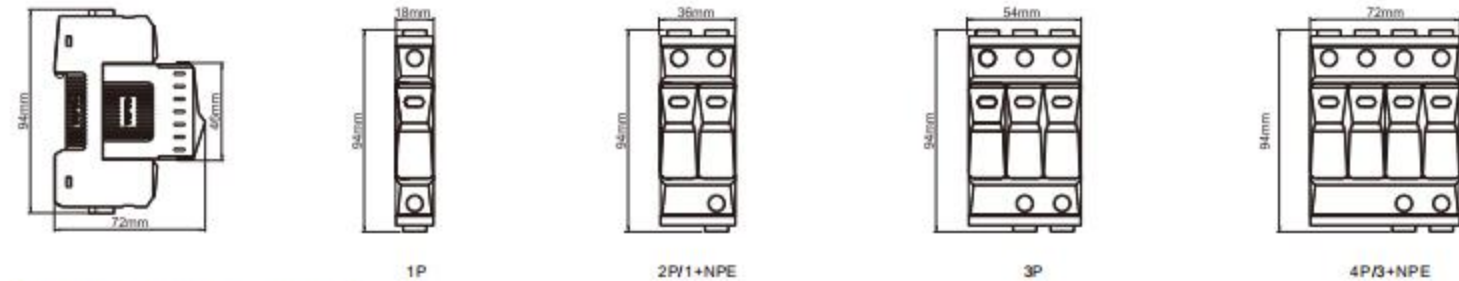


G2050XZ Type2 Surge Protective Devices

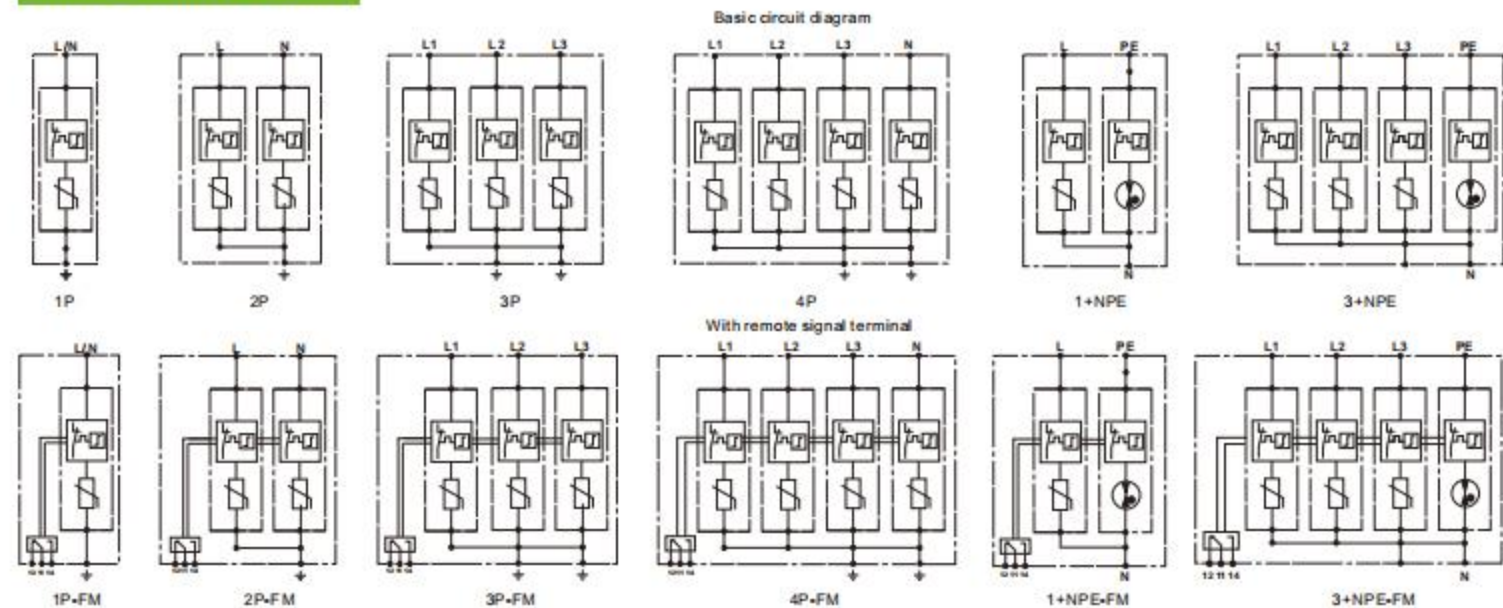
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



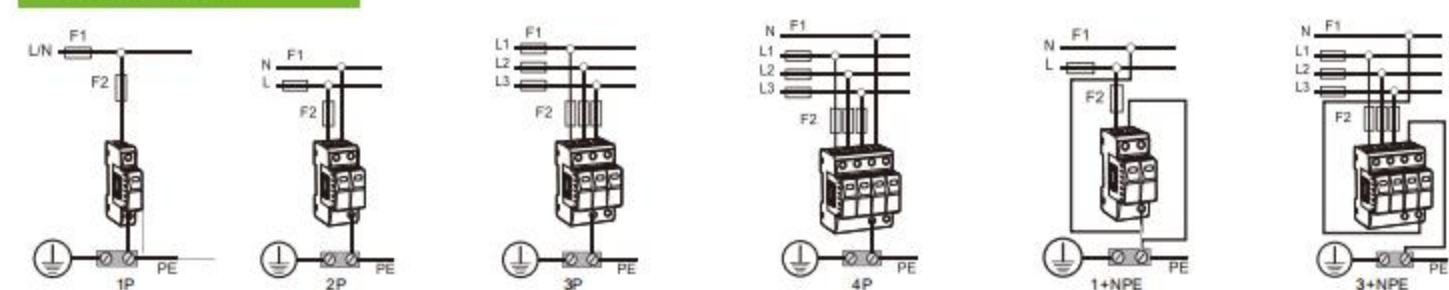
Dimension drawing



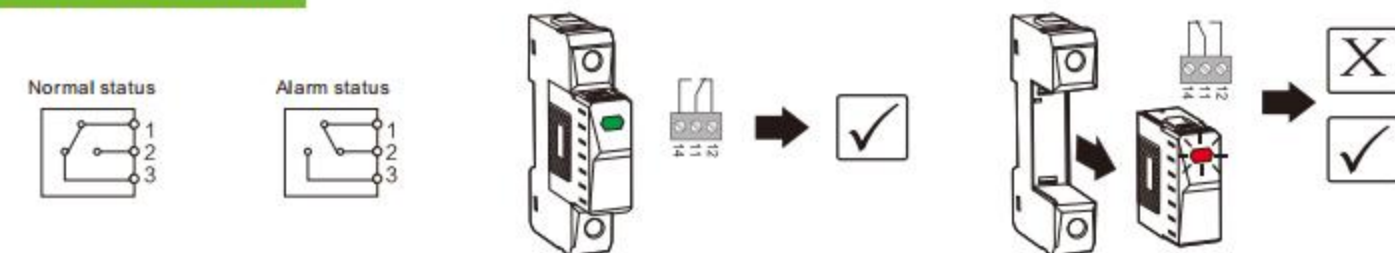
Basic circuit diagram



Standard wiring



Remote signal terminal



G2060MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2060MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	60kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:60kA, 2P:120kA, 3P:180kA, 4P:240kA,						
Voltage protection level (Up)	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.4kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

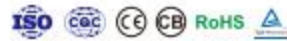
Type	G2060MT-1P	G2060MT-2P	G2060MT-3P	G2060MT-4P	G2060MT-1+NPE	G2060MT-3+NPE
Ordering number	150V:121009	150V:121021	150V:121033	150V:121045	150V:124245	150V:124246
	280V:121011	280V:121023	280V:121035	280V:121047	280V:121057	280V:121059
	320V:121013	320V:121025	320V:121037	320V:121049	320V:124247	320V:124248
	385V:121015	385V:121027	385V:121039	385V:121051	385V:121061	385V:121063
	440V:121017	440V:121029	440V:121041	440V:121053	440V:124249	440V:124250
	600V:121019	600V:121031	600V:121043	600V:121055	600V:124251	600V:124252
Type(Remote signal monitoring)	G2060MT-1P-FM	G2060MT-2P-FM	G2060MT-3P-FM	G2060MT-4P-FM	G2060MT-1+NPE-FM	G2060MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121010	150V:121022	150V:121034	150V:121046	150V:124253	150V:124254
	280V:121012	280V:121024	280V:121036	280V:121048	280V:121058	280V:121060
	320V:121014	320V:121026	320V:121038	320V:121050	320V:124255	320V:124256
	385V:121016	385V:121028	385V:121040	385V:121052	385V:121062	385V:121064
	440V:121018	440V:121030	440V:121042	440V:121054	440V:124257	440V:124258
	600V:121020	600V:121032	600V:121044	600V:121056	600V:124259	600V:124260

Type	G2060MT/150-Module	G2060MT/280-Module	G2060MT/320-Module	G2060MT/385-Module	G2060MT/440-Module	G2060MT/600-Module	G2060MT-NPE-Module
Ordering number	121065	121066	121067	121068	121069	121070	121071
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	60kA						
Voltage protection level (Up)	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.4kV	≤2.5kV	≤1.5kV

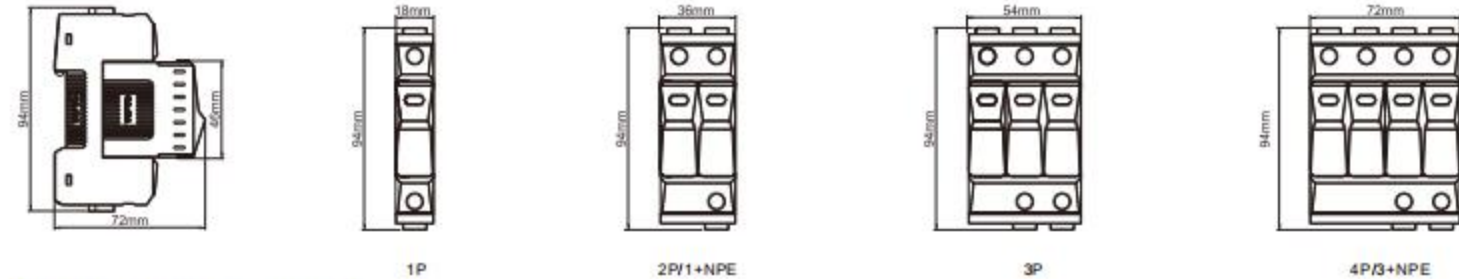


G2060MT Type2 Surge Protective Devices

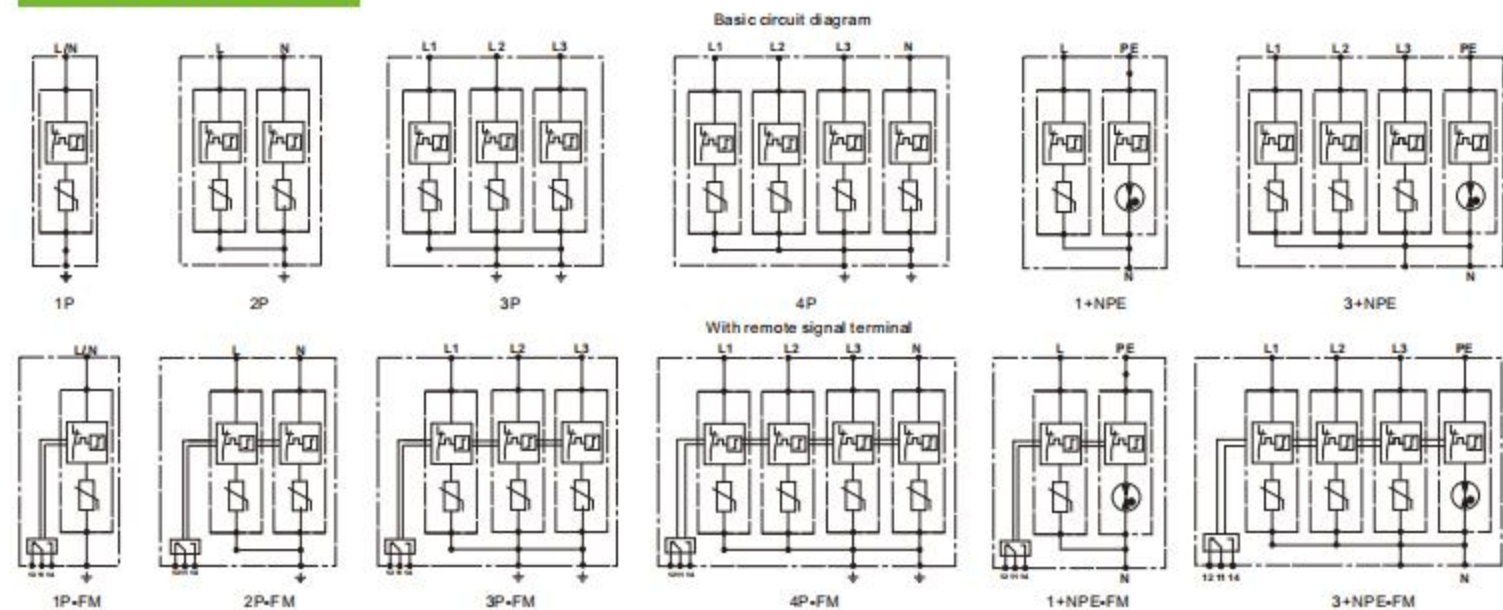
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



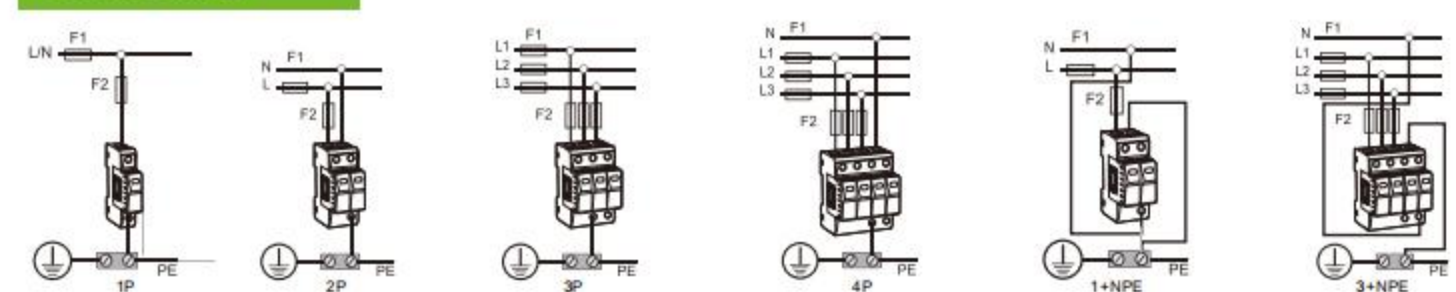
Dimension drawing



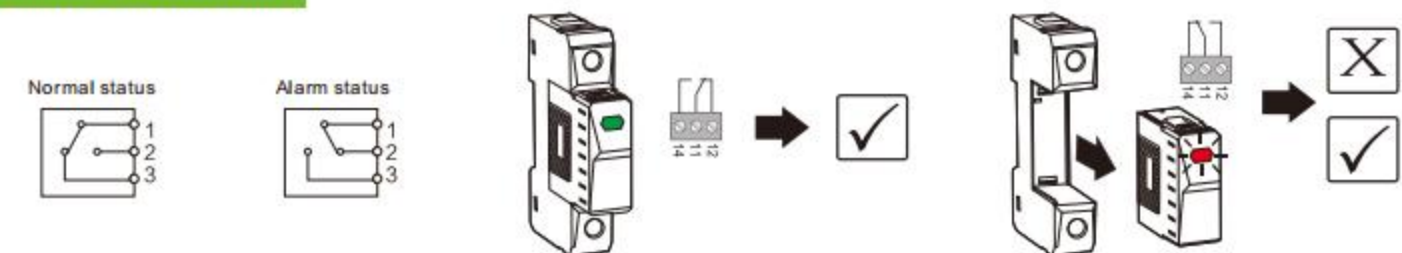
Basic circuit diagram



Standard wiring



Remote signal terminal



G2065MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2065MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	40kA						
Max. discharge current (8/20 μs) (Imax)	65kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:65kA, 2P:130kA, 3P:195kA, 4P:260kA,						
Voltage protection level (Up)	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤2.8kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

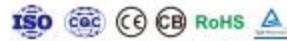
Type	G2065MT-1P	G2065MT-2P	G2065MT-3P	G2065MT-4P	G2065MT-1+NPE	G2065MT-3+NPE
Ordering number	150V:121072	150V:121084	150V:121096	150V:121108	150V:124261	150V:124262
	280V:121074	280V:121086	280V:121098	280V:121110	280V:121120	280V:121122
	320V:121076	320V:121088	320V:121100	320V:121112	320V:124263	320V:124264
	385V:121078	385V:121090	385V:121102	385V:121114	385V:121124	385V:121126
	440V:121080	440V:121092	440V:121104	440V:121116	440V:124265	440V:124266
	600V:121082	600V:121094	600V:121106	600V:121118	600V:124267	600V:124268
Type(Remote signal monitoring)	G2065MT-1P-FM	G2065MT-2P-FM	G2065MT-3P-FM	G2065MT-4P-FM	G2065MT-1+NPE-FM	G2065MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121073	150V:121085	150V:121097	150V:121109	150V:124269	150V:124270
	280V:121075	280V:121087	280V:121099	280V:121111	280V:121121	280V:121123
	320V:121077	320V:121089	320V:121101	320V:121113	320V:124271	320V:124272
	385V:121079	385V:121091	385V:121103	385V:121115	385V:121125	385V:121127
	440V:121081	440V:121093	440V:121105	440V:121117	440V:124273	440V:124274
	600V:121083	600V:121095	600V:121107	600V:121119	600V:124275	600V:124276

Type	G2065MT/150-Module	G2065MT/280-Module	G2065MT/320-Module	G2065MT/385-Module	G2065MT/440-Module	G2065MT/600-Module	G2065MT/NPE-Module
Ordering number	121128	121129	121130	121131	121132	121133	121134
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	40kA						
Max. discharge current (8/20 μs) (Imax)	65kA						
Voltage protection level (Up)	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤2.8kV	≤1.5kV

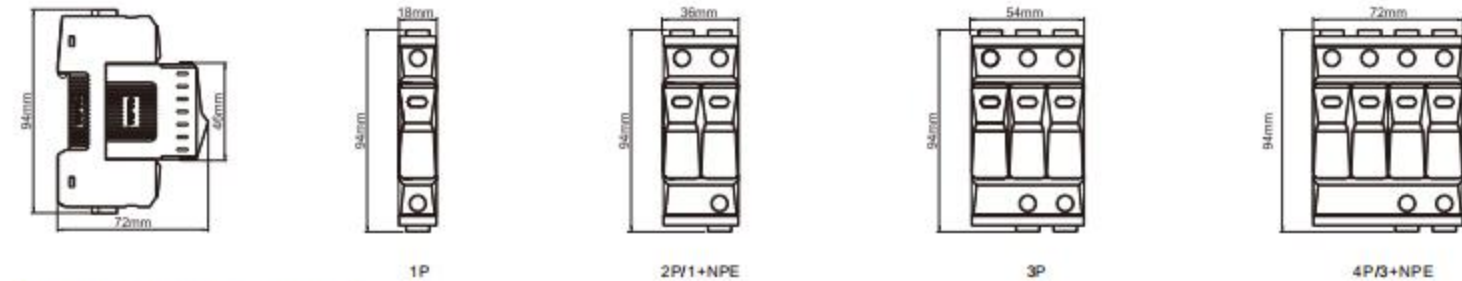


G2065MT Type2 Surge Protective Devices

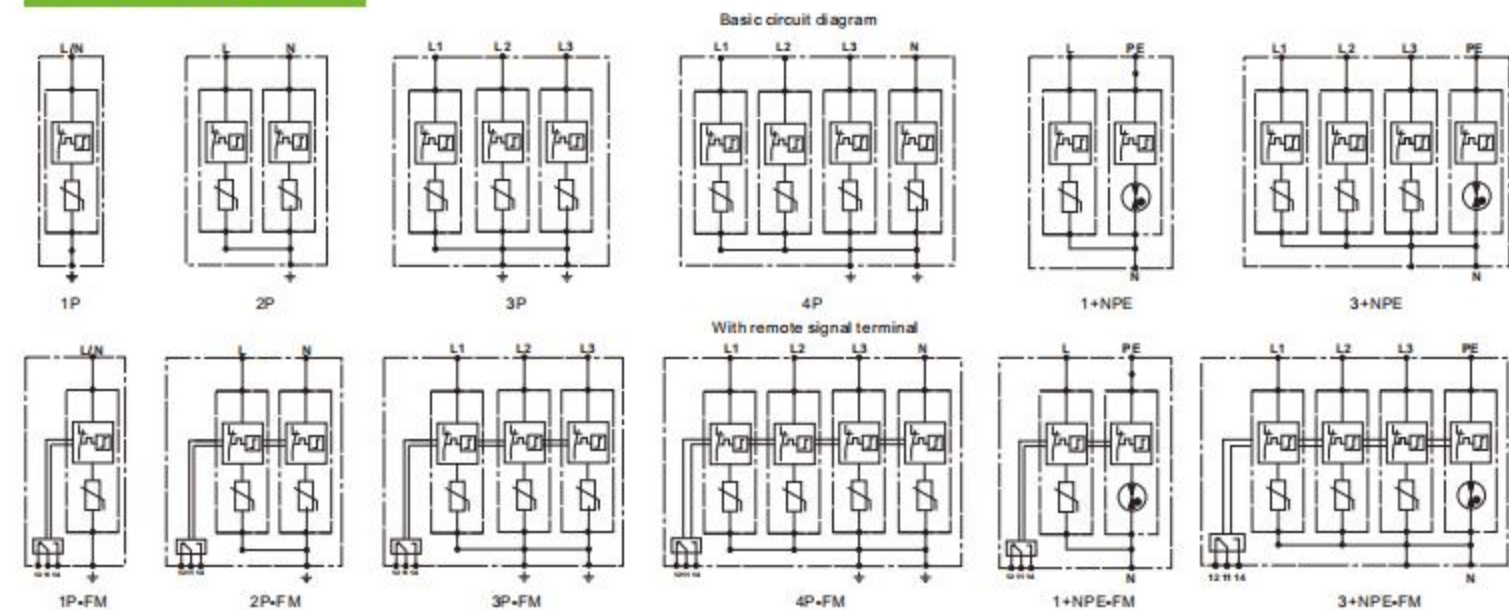
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



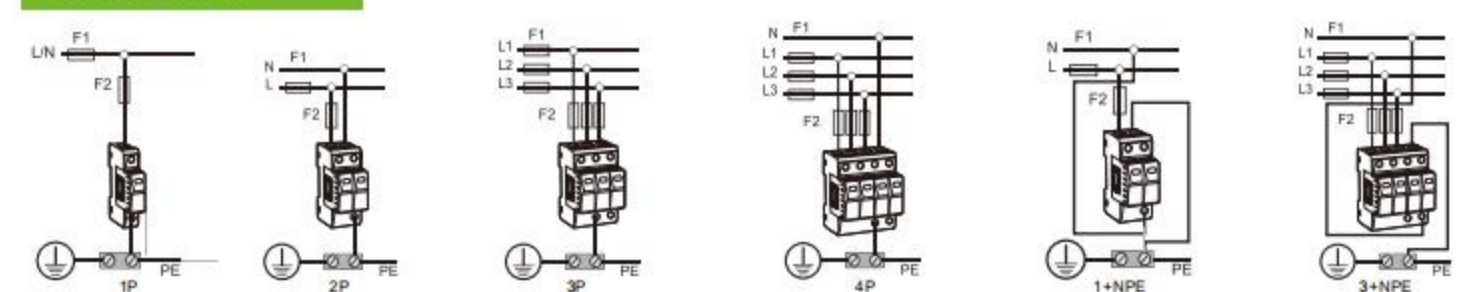
Dimension drawing



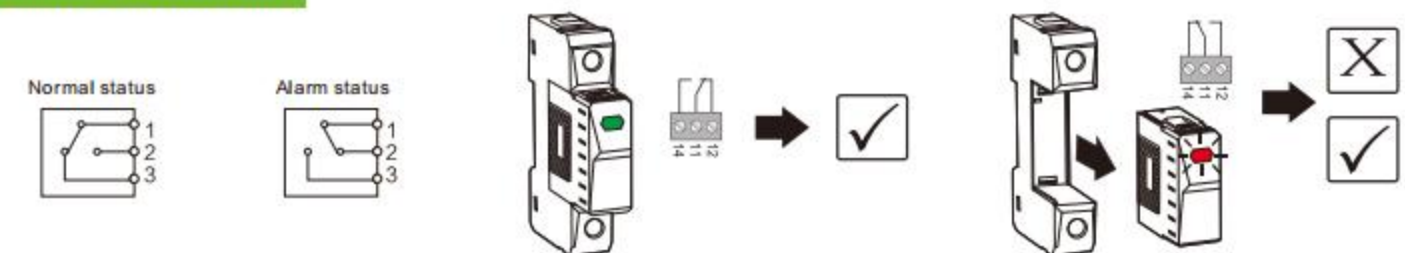
Basic circuit diagram



Standard wiring



Remote signal terminal



G2070MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2070MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	70kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:70kA, 2P:140kA, 3P:210kA, 4P:280kA,						
Voltage protection level (Up)	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤2.8kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:100g, 2P:200g, 3P:300g, 4P:400g,						

Type	G2070MT-1P	G2070MT-2P	G2070MT-3P	G2070MT-4P	G2070MT-1+NPE	G2070MT-3+NPE
Ordering number	150V:121135	150V:121147	150V:121159	150V:121171	150V:124277	150V:124278
	280V:121137	280V:121149	280V:121161	280V:121173	280V:121183	280V:121185
	320V:121139	320V:121151	320V:121163	320V:121175	320V:124279	320V:124280
	385V:121141	385V:121153	385V:121165	385V:121177	385V:121187	385V:121189
	440V:121143	440V:121155	440V:121167	440V:121179	440V:124281	440V:124282
	600V:121145	600V:121157	600V:121169	600V:121181	600V:124283	600V:124284
Type(Remote signal monitoring)	G2070MT-1P-FM	G2070MT-2P-FM	G2070MT-3P-FM	G2070MT-4P-FM	G2070MT-1+NPE-FM	G2070MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121136	150V:121148	150V:121160	150V:121172	150V:124285	150V:124286
	280V:121138	280V:121150	280V:121162	280V:121174	280V:121184	280V:121186
	320V:121140	320V:121152	320V:121164	320V:121176	320V:124287	320V:124288
	385V:121142	385V:121154	385V:121166	385V:121178	385V:121188	385V:121190
	440V:121144	440V:121156	440V:121168	440V:121180	440V:124289	440V:124290
	600V:121146	600V:121158	600V:121170	600V:121182	600V:124291	600V:124292

Type	G2070MT/150-Module	G2070MT/280-Module	G2070MT/320-Module	G2070MT/385-Module	G2070MT/440-Module	G2070MT/600-Module	G2070MT-NPE-Module
Ordering number	121191	121192	121193	121194	121195	121196	121197
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA						
Max. discharge current (8/20 μs) (Imax)	70kA						
Voltage protection level (Up)	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV	≤2.5kV	≤2.8kV	≤1.5kV

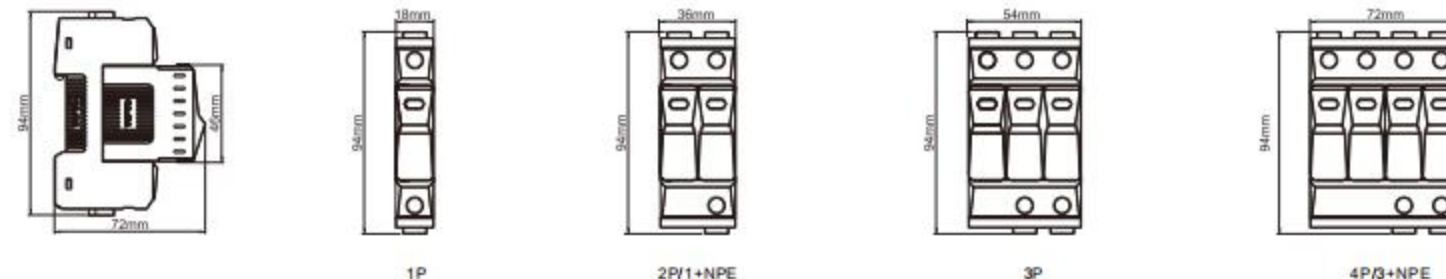


G2070MT Type2 Surge Protective Devices

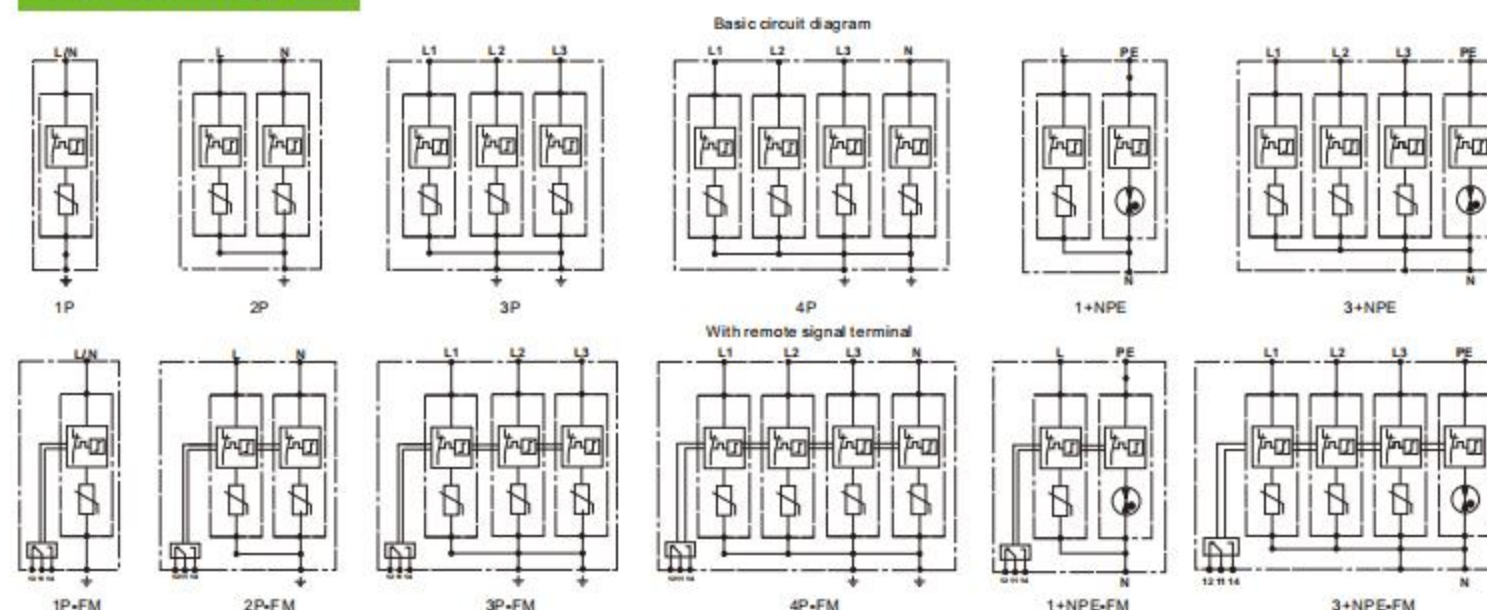
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



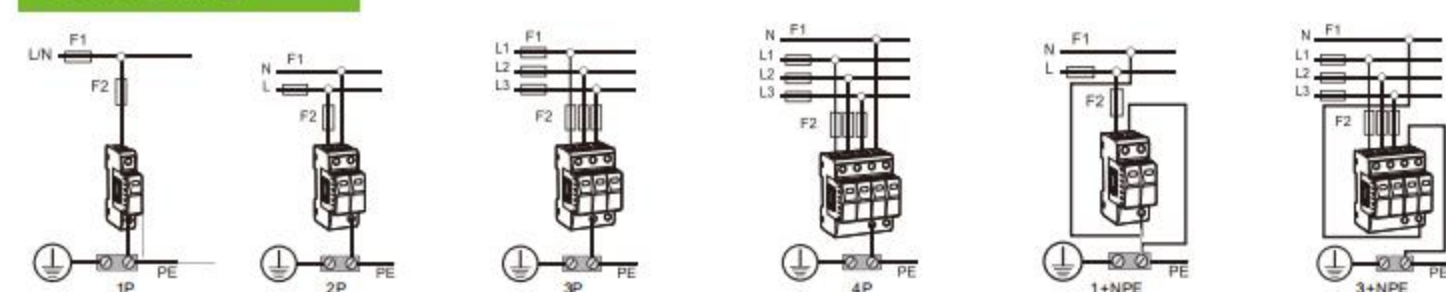
Dimension drawing



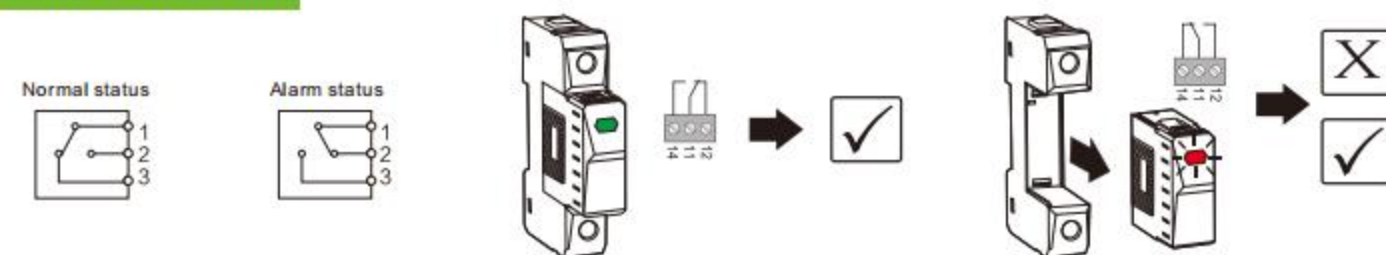
Basic circuit diagram



Standard wiring



Remote signal terminal



G2080MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2080MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	40kA						
Max. discharge current (8/20 μs) (Imax)	80kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:80kA, 2P:160kA, 3P:240kA, 4P:320kA,						
Voltage protection level (Up)	≤1.3kV	≤1.8kV	≤2.0kV	≤2.2kV	≤2.5kV	≤2.8kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:120g, 2P:240g, 3P:360g, 4P:480g,						

Type	G2080MT-1P	G2080MT-2P	G2080MT-3P	G2080MT-4P	G2080MT-1+NPE	G2080MT-3+NPE
Ordering number	150V:121198	150V:121210	150V:121222	150V:121234	150V:124293	150V:124294
	280V:121200	280V:121212	280V:121224	280V:121236	280V:121246	280V:121248
	320V:121202	320V:121214	320V:121226	320V:121238	320V:124295	320V:124296
	385V:121204	385V:121216	385V:121228	385V:121240	385V:121250	385V:121252
	440V:121206	440V:121218	440V:121230	440V:121242	440V:124297	440V:124298
	600V:121208	600V:121220	600V:121232	600V:121244	600V:124299	600V:124300
Type(Remote signal monitoring)	G2080MT-1P-FM	G2080MT-2P-FM	G2080MT-3P-FM	G2080MT-4P-FM	G2080MT-1+NPE-FM	G2080MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121199	150V:121211	150V:121223	150V:121235	150V:124301	150V:124302
	280V:121201	280V:121213	280V:121225	280V:121237	280V:121247	280V:121249
	320V:121203	320V:121215	320V:121227	320V:121239	320V:124303	320V:124304
	385V:121205	385V:121217	385V:121229	385V:121241	385V:121251	385V:121253
	440V:121207	440V:121219	440V:121231	440V:121243	440V:124305	440V:124306
	600V:121209	600V:121221	600V:121233	600V:121245	600V:124307	600V:124308

Type	G2080MT/150-Module	G2080MT/280-Module	G2080MT/320-Module	G2080MT/385-Module	G2080MT/440-Module	G2080MT/600-Module	G2080MT-NPE-Module
Ordering number	121254	121255	121256	121257	121258	121259	121260
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	40kA						
Max. discharge current (8/20 μs) (Imax)	80kA						
Voltage protection level (Up)	≤1.3kV	≤1.8kV	≤2.0kV	≤2.2kV	≤2.5kV	≤2.8kV	≤1.5kV

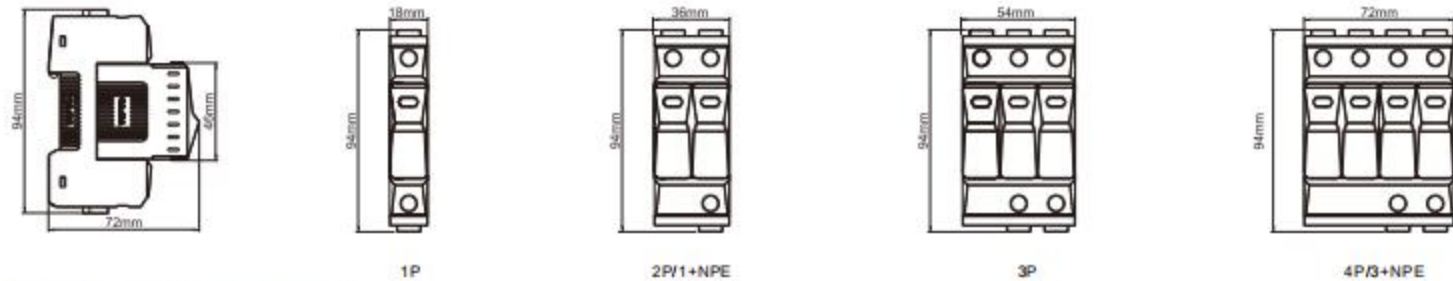


G2080MT Type2 Surge Protective Devices

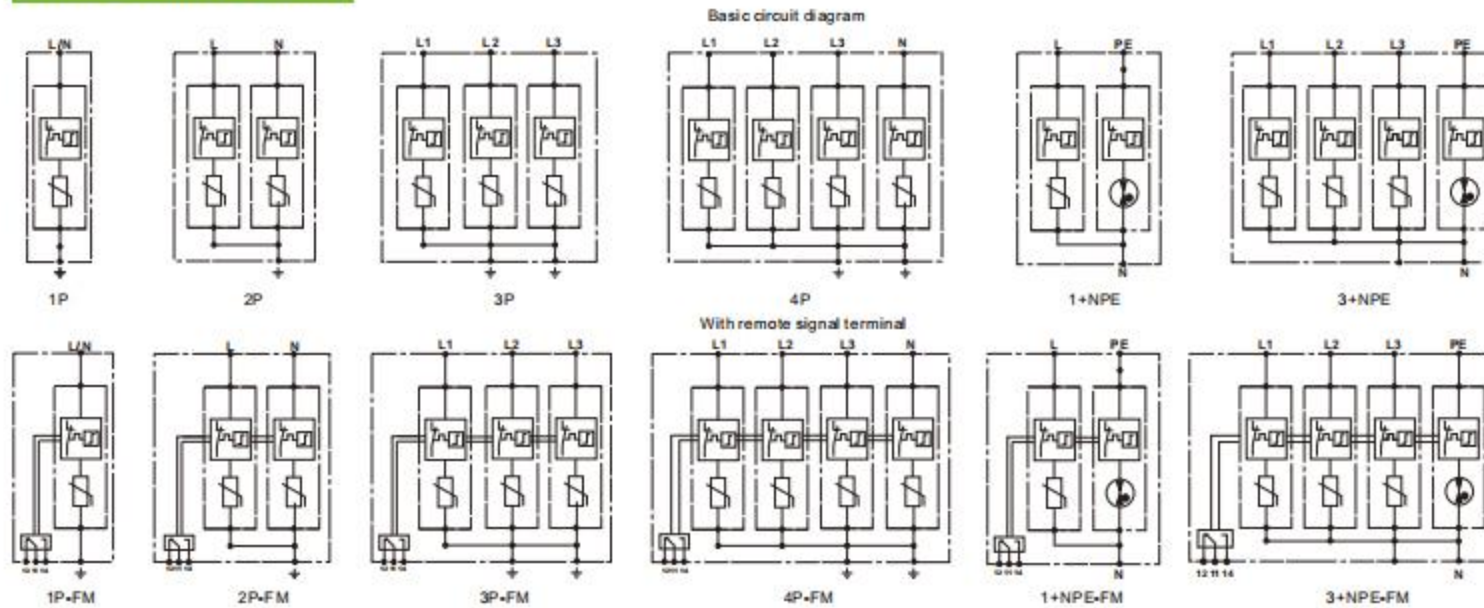
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



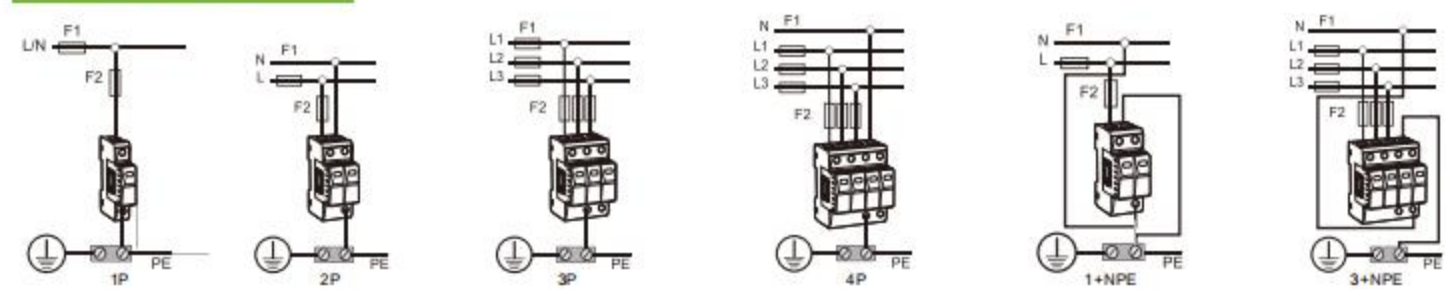
Dimension drawing



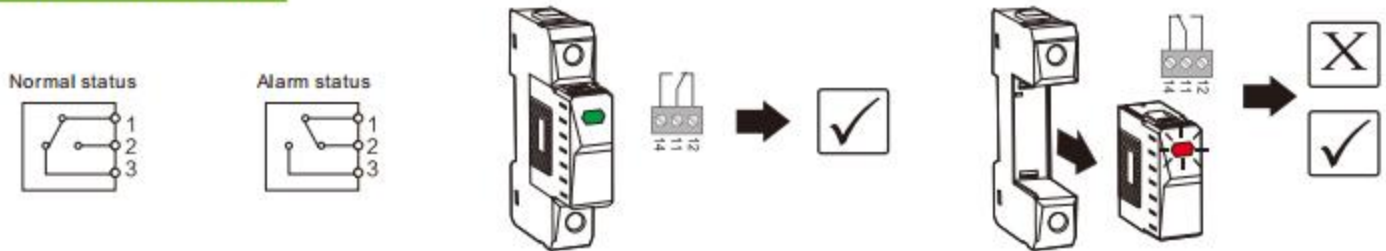
Basic circuit diagram



Standard wiring



Remote signal terminal



G20100MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20100MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	60kA						
Max. discharge current (8/20 μs) (Imax)	100kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:100kA,2P:200kA,3P:300kA,4P:400kA,						
Voltage protection level (Up)	≤1.5kV	≤2.0kV	≤2.2kV	≤2.4kV	≤2.8kV	≤3.2kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:200g,2P:400g,3P:600g,4P:800g,						

Type	G20100MT-1P	G20100MT-2P	G20100MT-3P	G20100MT-4P	G20100MT-1+NPE	G20100MT-3+NPE
Ordering number	150V:121261	150V:121273	150V:121285	150V:121297	150V:124309	150V:124310
	280V:121263	280V:121275	280V:121287	280V:121299	280V:121309	280V:121311
	320V:121265	320V:121277	320V:121289	320V:121301	320V:124311	320V:124312
	385V:121267	385V:121279	385V:121291	385V:121303	385V:121313	385V:121315
	440V:121269	440V:121281	440V:121293	440V:121305	440V:124313	440V:124314
	600V:121271	600V:121283	600V:121295	600V:121307	600V:124315	600V:124316
Type(Remote signal monitoring)	G20100MT-1P-FM	G20100MT-2P-FM	G20100MT-3P-FM	G20100MT-4P-FM	G20100MT-1+NPE-FM	G20100MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121262	150V:121274	150V:121286	150V:121298	150V:124317	150V:124318
	280V:121264	280V:121276	280V:121288	280V:121300	280V:121310	280V:121312
	320V:121266	320V:121278	320V:121290	320V:121302	320V:124319	320V:124320
	385V:121268	385V:121280	385V:121292	385V:121304	385V:121314	385V:121316
	440V:121270	440V:121282	440V:121294	440V:121306	440V:124321	440V:124322
	600V:121272	600V:121284	600V:121296	600V:121308	600V:124323	600V:124324

Type	G20100MT/150-Module	G20100MT/280-Module	G20100MT/320-Module	G20100MT/385-Module	G20100MT/440-Module	G20100MT/600-Module	G20100MT-NPE-Module
Ordering number	121317	121318	121319	121320	121321	121322	121323
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	60kA						
Max. discharge current (8/20 μs) (Imax)	100kA						
Voltage protection level (Up)	≤1.5kV	≤2.0kV	≤2.2kV	≤2.4kV	≤2.8kV	≤3.2kV	≤1.5kV

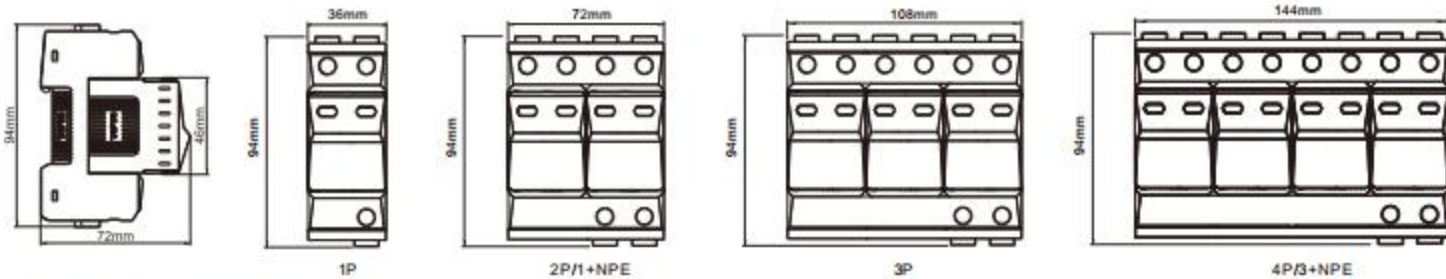


G20100MT Type2 Surge Protective Devices

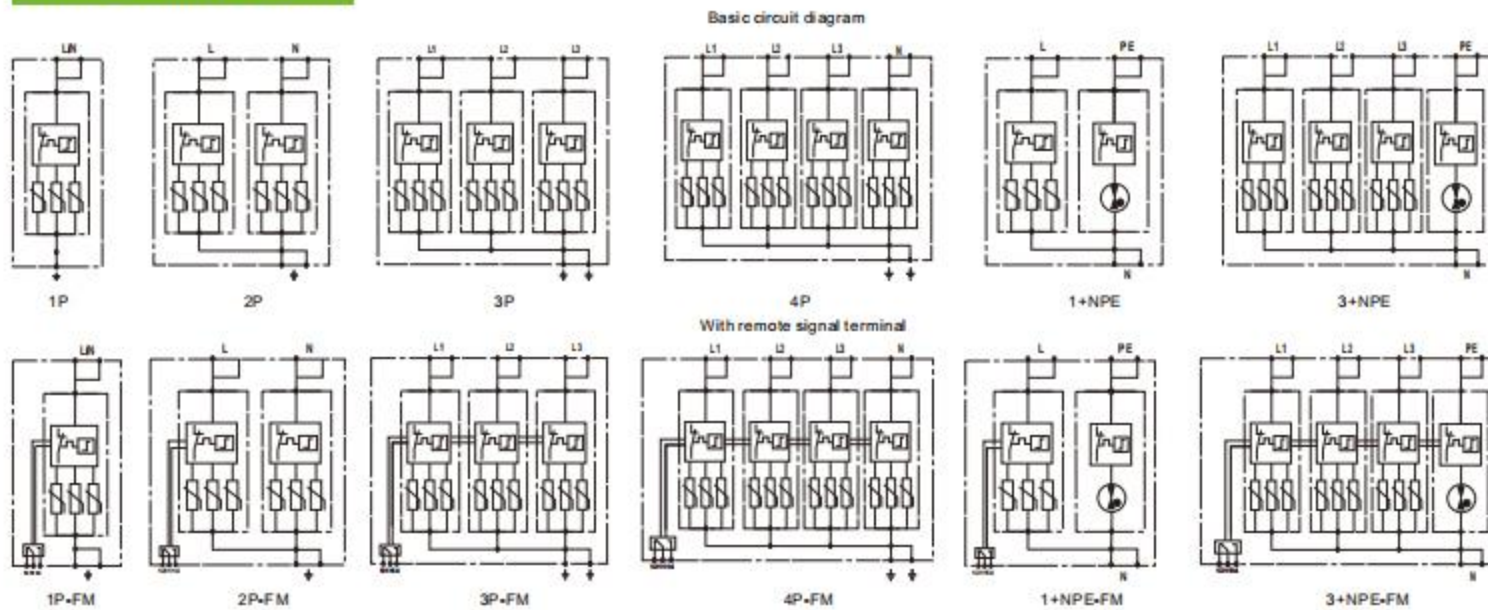
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



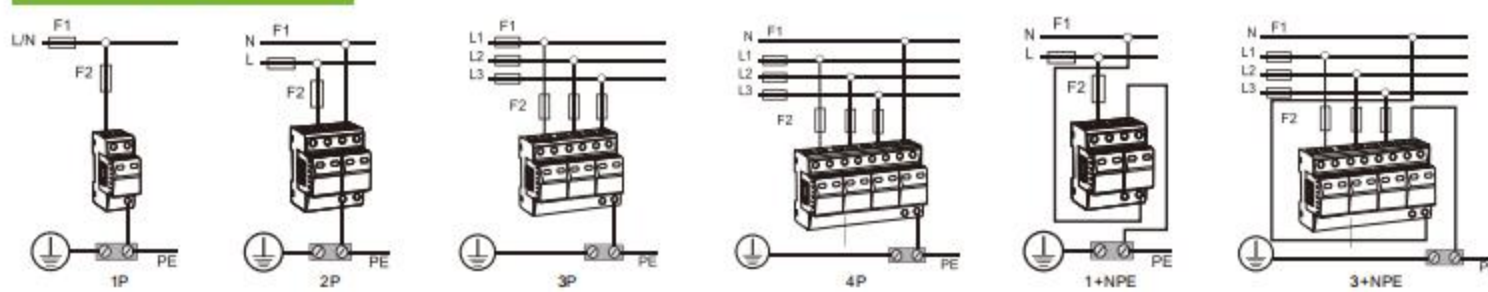
Dimension drawing



Basic circuit diagram

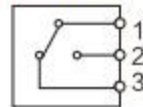


Standard wiring

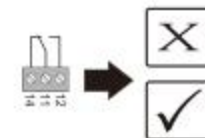
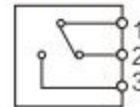


Remote signal terminal

Normal status



Alarm status



G20120MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20120MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	80kA						
Max. discharge current (8/20 μs) (Imax)	120kA						
Total lightning current (8/20 μs) L1/N-PE (Imax)total	1P:120kA,2P:240kA,3P:360kA,4P:480kA,						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:220g,2P:440g,3P:660g,4P:880g,						

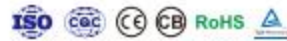
Type	G20120MT-1P	G20120MT-2P	G20120MT-3P	G20120MT-4P	G20120MT-1+NPE	G20120MT-3+NPE
Ordering number	150V:121324	150V:121336	150V:121348	150V:121360	150V:124325	150V:124326
	280V:121326	280V:121338	280V:121350	280V:121362	280V:121372	280V:121374
	320V:121328	320V:121340	320V:121352	320V:121364	320V:124327	320V:124328
	385V:121330	385V:121342	385V:121354	385V:121366	385V:121376	385V:121378
	440V:121332	440V:121344	440V:121356	440V:121368	440V:124329	440V:124330
	600V:121334	600V:121346	600V:121358	600V:121370	600V:124331	600V:124332
Type(Remote signal monitoring)	G20120MT-1P-FM	G20120MT-2P-FM	G20120MT-3P-FM	G20120MT-4P-FM	G20120MT-1+NPE-FM	G20120MT-3+NPE-FM
	150V:121325	150V:121337	150V:121349	150V:121361	150V:124333	150V:124334
	280V:121327	280V:121339	280V:121351	280V:121363	280V:121373	280V:121375
	320V:121329	320V:121341	320V:121353	320V:121365	320V:124335	320V:124336
	385V:121331	385V:121343	385V:121355	385V:121367	385V:121377	385V:121379
	440V:121333	440V:121345	440V:121357	440V:121369	440V:124337	440V:124338
Ordering number (Remote signal monitoring)	600V:121335	600V:121347	600V:121359	600V:121371	600V:124339	600V:124340

Type	G20120MT/150-Module	G20120MT/280-Module	G20120MT/320-Module	G20120MT/385-Module	G20120MT/440-Module	G20120MT/600-Module	G20120MT-NPE-Module
Ordering number	121380	121381	121382	121383	121384	121385	121386
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	80kA						
Max. discharge current (8/20 μs) (Imax)	120kA						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV

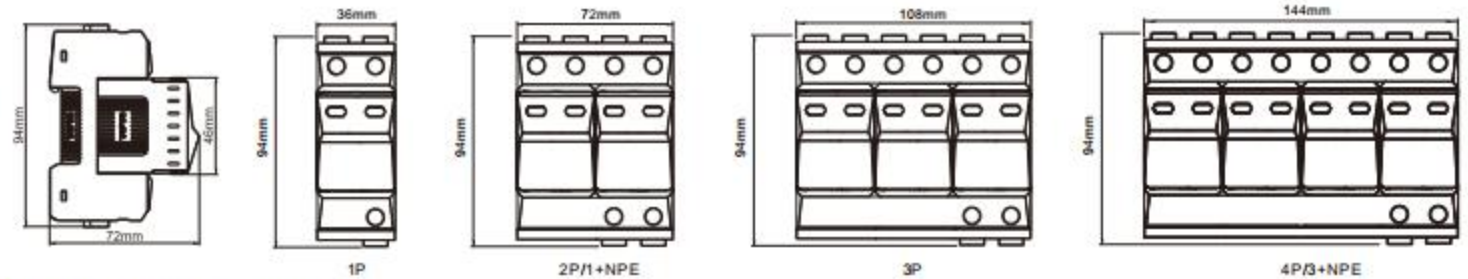


G20120MT Type2 Surge Protective Devices

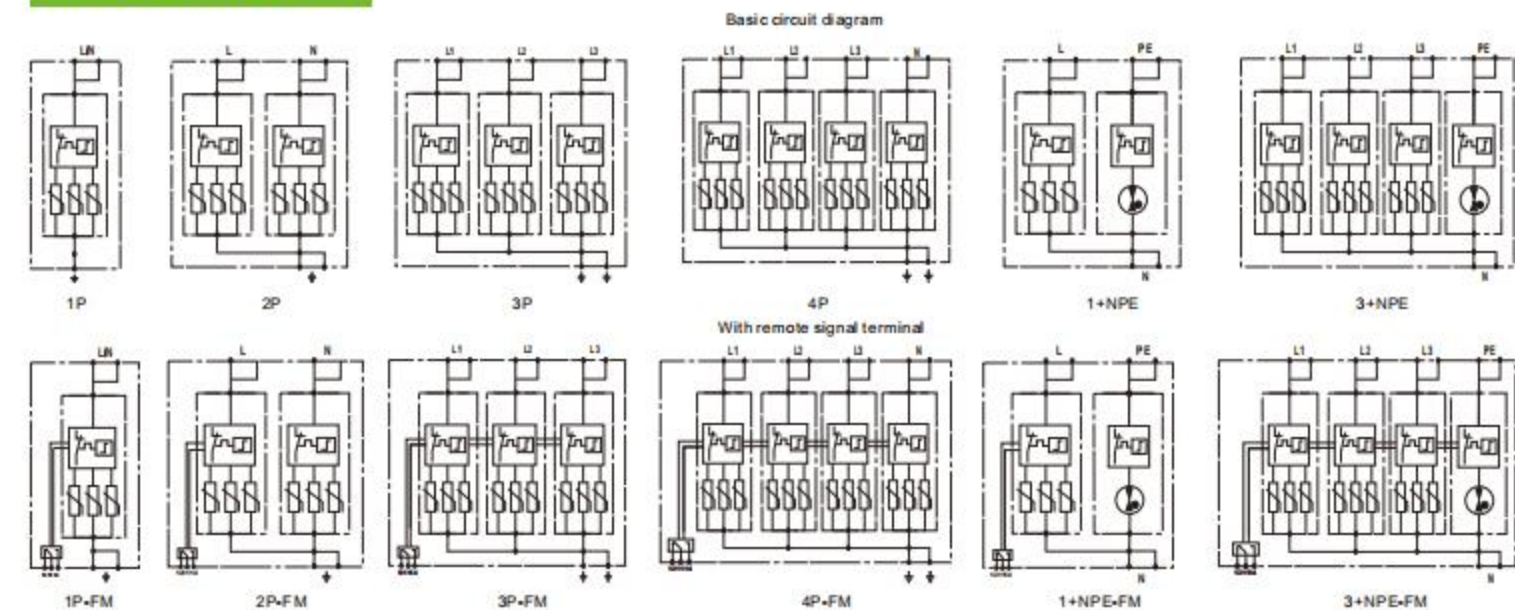
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



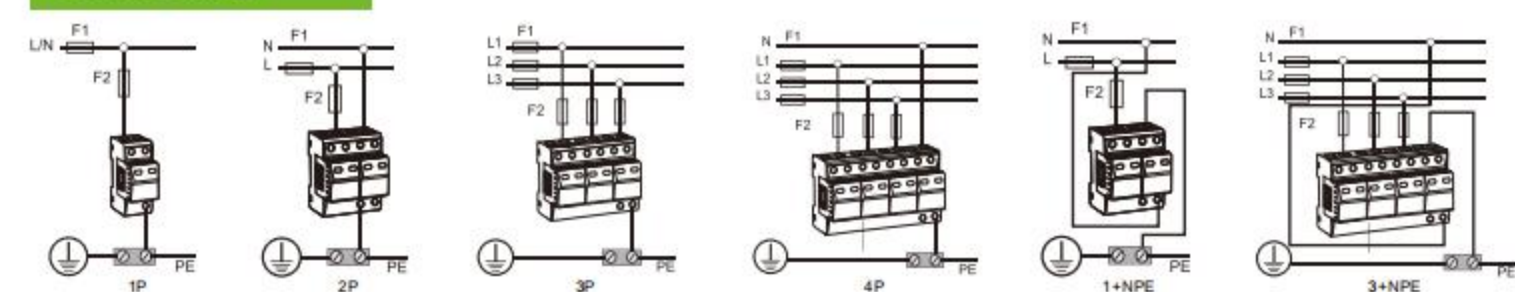
Dimension drawing



Basic circuit diagram

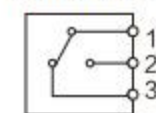


Standard wiring

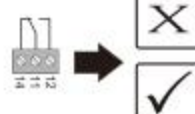


Remote signal terminal

Normal status



Alarm status



G20150MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20150MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	100kA						
Max. discharge current (8/20 μs) (Imax)	150kA						
Total lightning current (8/20 μs) L1/N-PE (Imax)total	1P:150kA,2P:300kA,3P:450kA,4P:600kA,						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV
Response time (tA)	25ns						
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:220g,2P:440g,3P:660g,4P:880g,						

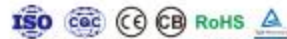
Type	G20150MT-1P	G20150MT-2P	G20150MT-3P	G20150MT-4P	G20150MT-1+NPE	G20150MT-3+NPE
Ordering number	150V:121387	150V:121399	150V:121411	150V:121423	150V:124341	150V:124342
	280V:121389	280V:121401	280V:121413	280V:121425	280V:121435	280V:121437
	320V:121391	320V:121403	320V:121415	320V:121427	320V:124343	320V:124344
	385V:121393	385V:121405	385V:121417	385V:121429	385V:121439	385V:121441
	440V:121395	440V:121407	440V:121419	440V:121431	440V:124345	440V:124346
Type(Remote signal monitoring)	600V:121397	600V:121409	600V:121421	600V:121433	600V:124347	600V:124348
	G20150MT-1P-FM	G20150MT-2P-FM	G20150MT-3P-FM	G20150MT-4P-FM	G20150MT-1+NPE-FM	G20150MT-3+NPE-FM
	150V:121388	150V:121400	150V:121412	150V:121424	150V:124349	150V:124350
	280V:121390	280V:121402	280V:121414	280V:121426	280V:121436	280V:121438
	320V:121392	320V:121404	320V:121416	320V:121428	320V:124351	320V:124352
Ordering number (Remote signal monitoring)	385V:121394	385V:121406	385V:121418	385V:121430	385V:121440	385V:121442
	440V:121396	440V:121408	440V:121420	440V:121432	440V:124353	440V:124354
	600V:121398	600V:121410	600V:121422	600V:121434	600V:124355	600V:124356

Type	G20150MT/150-Module	G20150MT/280-Module	G20150MT/320-Module	G20150MT/385-Module	G20150MT/440-Module	G20150MT/600-Module	G20150MT-NPE-Module
Ordering number	121443	121444	121445	121446	121447	121448	121449
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	100kA						
Max. discharge current (8/20 μs) (Imax)	150kA						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV

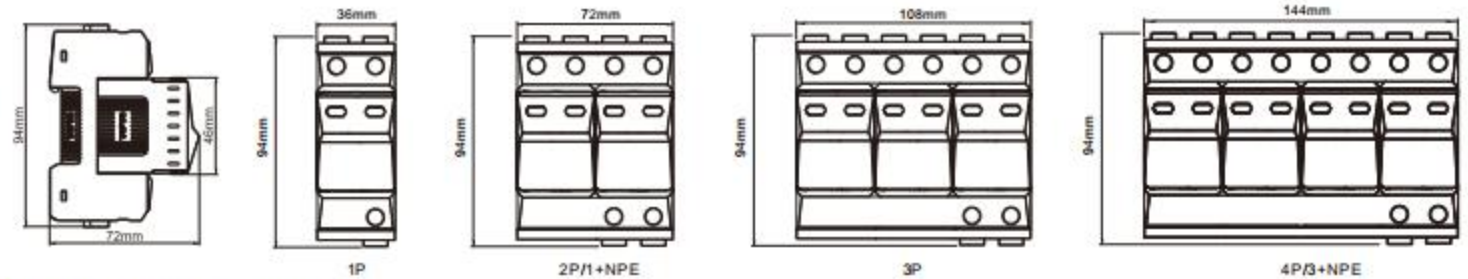


G20150MT Type2 Surge Protective Devices

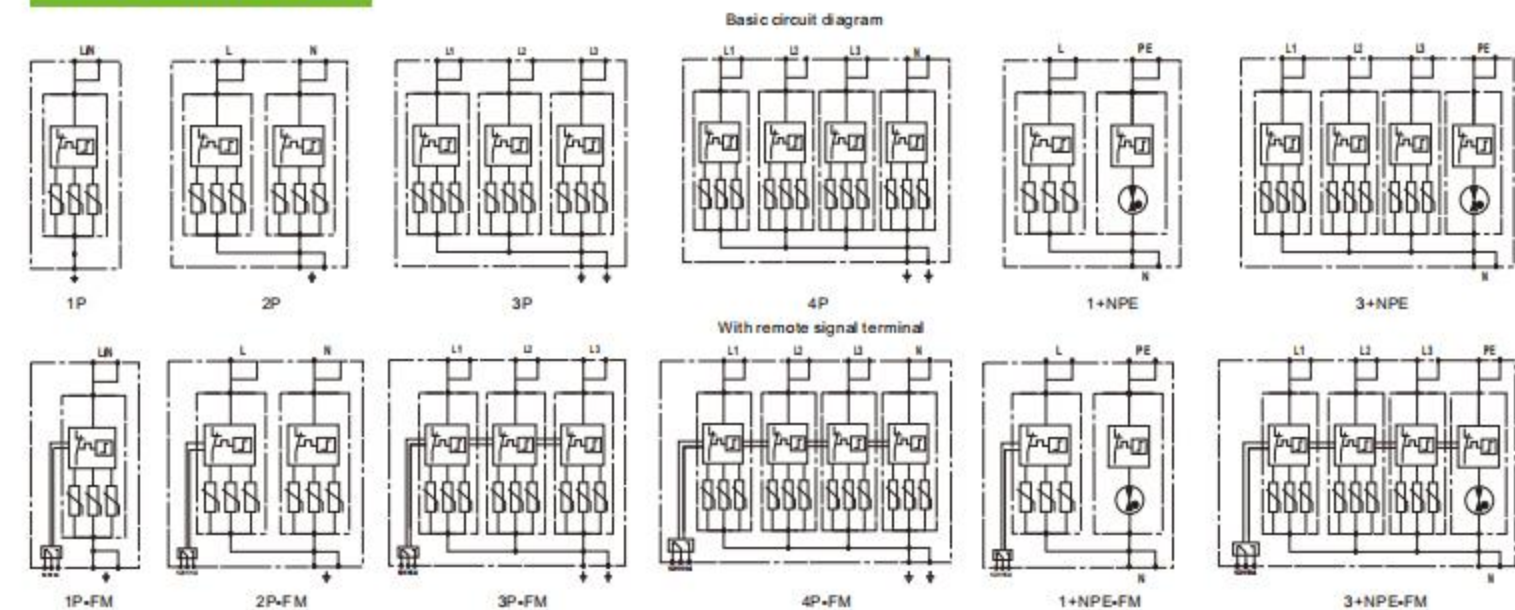
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



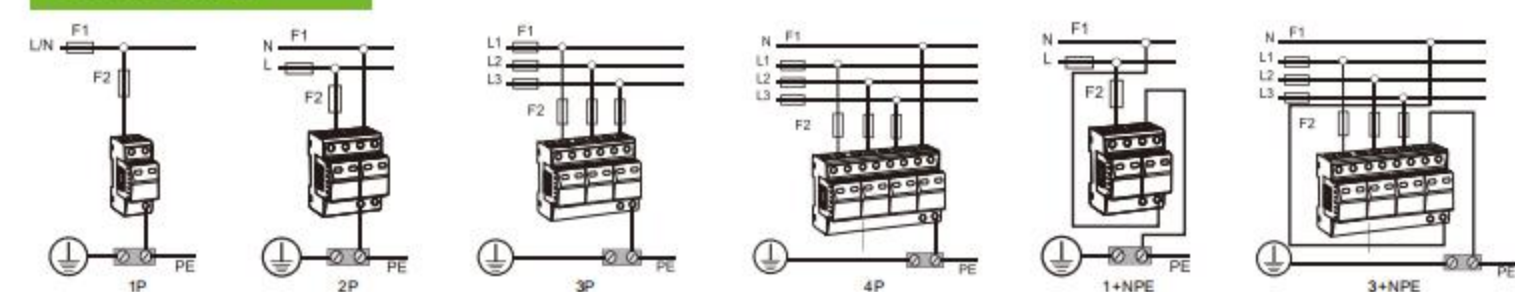
Dimension drawing



Basic circuit diagram

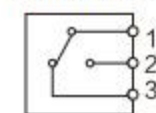


Standard wiring

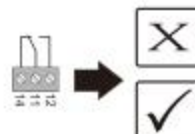


Remote signal terminal

Normal status



Alarm status



G20160MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20160MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	120kA						
Max. discharge current (8/20 μs) (Imax)	160kA						
Total lightning current (8/20 μs) L1/N-PE (Imax)total	1P:160kA, 2P:320kA, 3P:480kA, 4P:640kA,						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV
Response time (tA)	25ns						100ns
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:220g, 2P:440g, 3P:660g, 4P:880g,						

Type	G20160MT-1P	G20160MT-2P	G20160MT-3P	G20160MT-4P	G20160MT-1+NPE	G20160MT-3+NPE
Ordering number	150V:121450	150V:121462	150V:121474	150V:121486	150V:124357	150V:124358
	280V:121452	280V:121464	280V:121476	280V:121488	280V:121498	280V:121500
	320V:121454	320V:121466	320V:121478	320V:121490	320V:124359	320V:124360
	385V:121456	385V:121468	385V:121480	385V:121492	385V:121502	385V:121504
	440V:121458	440V:121470	440V:121482	440V:121494	440V:124361	440V:124362
	600V:121460	600V:121472	600V:121484	600V:121496	600V:124363	600V:124364
Type(Remote signal monitoring)	G20160MT-1P-FM	G20160MT-2P-FM	G20160MT-3P-FM	G20160MT-4P-FM	G20160MT-1+NPE-FM	G20160MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:121451	150V:121463	150V:121475	150V:121487	150V:124365	150V:124366
	280V:121453	280V:121465	280V:121477	280V:121489	280V:121499	280V:121501
	320V:121455	320V:121467	320V:121479	320V:121491	320V:124367	320V:124368
	385V:121457	385V:121469	385V:121481	385V:121493	385V:121503	385V:121505
	440V:121459	440V:121471	440V:121483	440V:121495	440V:124369	440V:124370
	600V:121461	600V:121473	600V:121485	600V:121497	600V:124371	600V:124372

Type	G20160MT/150-Module	G20160MT/280-Module	G20160MT/320-Module	G20160MT/385-Module	G20160MT/440-Module	G20160MT/600-Module	G20160MT-NPE-Module
Ordering number	121506	121507	121508	121509	121510	121511	121512
Max. continuous operating voltage(a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	120kA						
Max. discharge current (8/20 μs) (Imax)	160kA						
Voltage protection level (Up)	≤1.8kV	≤2.2kV	≤2.4kV	≤2.5kV	≤3.2kV	≤4.0kV	≤1.5kV

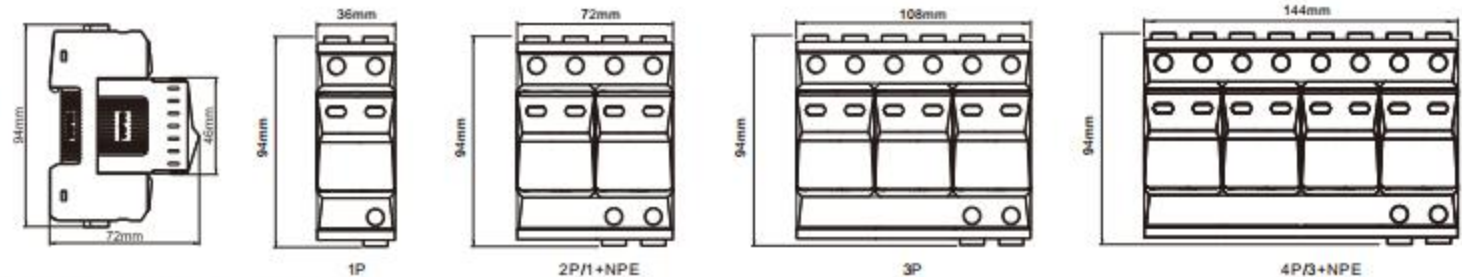


G20160MT Type2 Surge Protective Devices

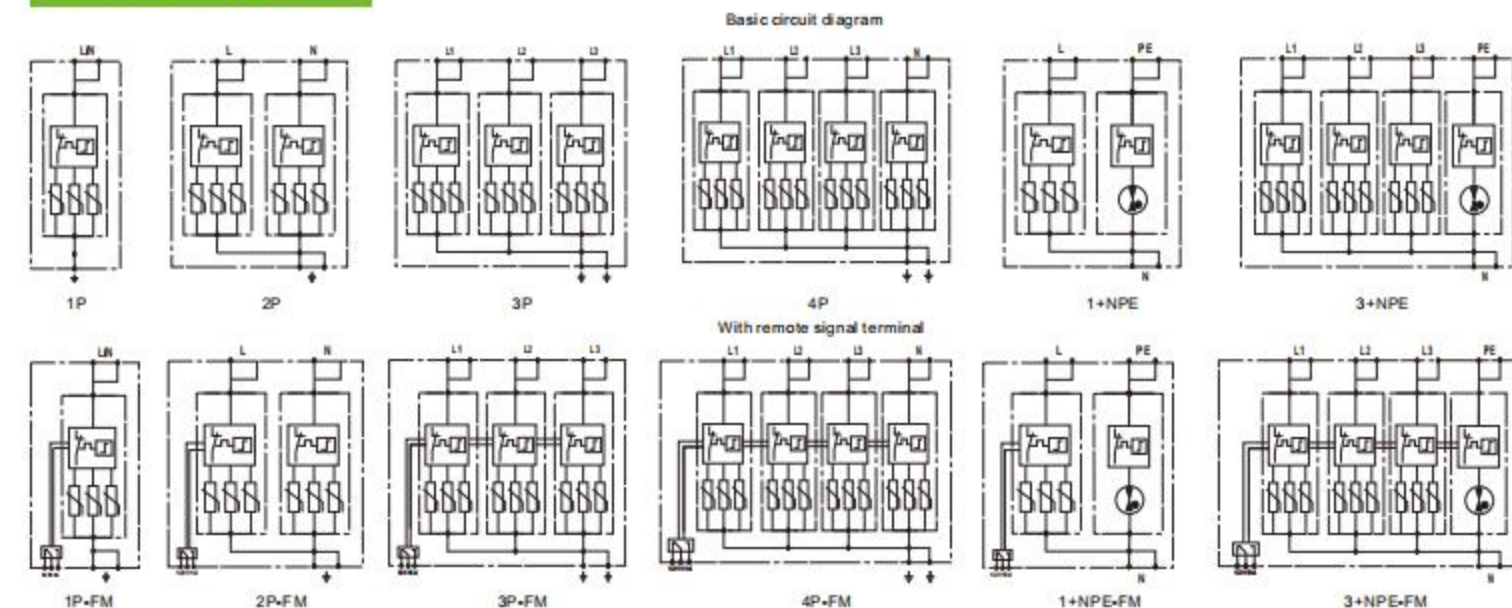
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



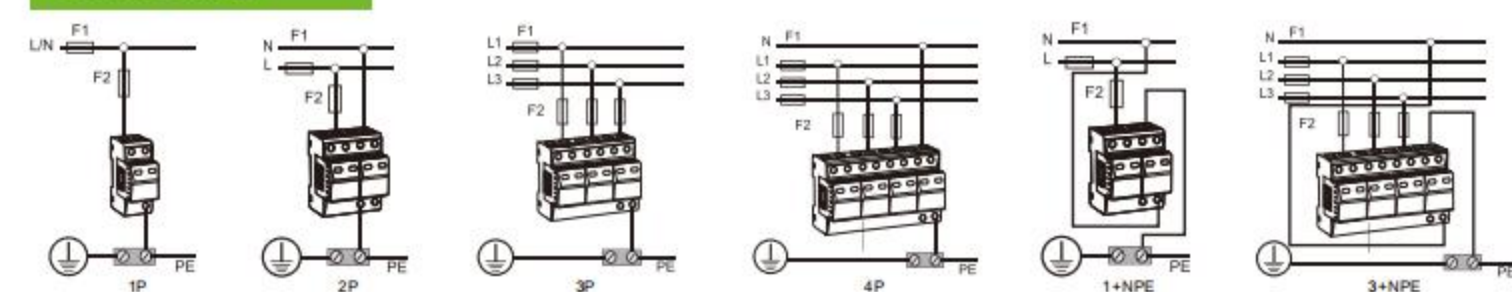
Dimension drawing



Basic circuit diagram

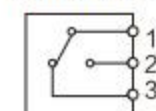


Standard wiring

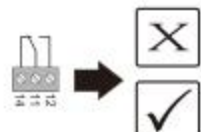


Remote signal terminal

Normal status



Alarm status



G20 Type3 AC/DC Surge Protective Devices

- Innovative tripping and breaking technology, 1P=2P, 2P=4P
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2002MT-2P	G2004MT-2P	G2005MT-2P	G2006DZ-2P	G2006MT-2P	G2008MT-2P	G2010DZ-2P
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.)(Uc)	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V
Max. continuous operating voltage (d.c.)(Uc)	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V	30V/60V/75V/150V/255V
Nominal discharge current (8/20 μs) (In)	1kA	2kA	3kA	3kA	2.5kA	3kA	5kA
Max. discharge current (8/20 μs) (Imax)	2kA	4kA	5kA	6kA	6kA	8kA	10kA
Voltage protection level (Up)	≤180V/50V/40V/60V/75V	≤200V/40V/60V/80V/75V	≤240V/44V/56V/68V/78V	≤240V/44V/56V/68V/78V	≤220V/40V/54V/62V/75V	≤240V/44V/56V/68V/78V	≤300V/50V/60V/70V/80V
Response time (t _a)	25ns						
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	2P:180g,						

Type	G2002MT-2P	G2004MT-2P	G2005MT-2P	G2006DZ-2P	G2006MT-2P	G2008MT-2P	G2010DZ-2P
Ordering number	30V:121513 60V:121515 75V:121517 150V:121519 255V:121521	30V:121528 60V:121530 75V:121532 150V:121534 255V:121536	30V:121543 60V:121545 75V:121547 150V:121549 255V:121551	30V:121573 60V:121575 75V:121577 150V:121579 255V:121581	30V:121558 60V:121560 75V:121562 150V:121564 255V:121566	30V:121588 60V:121590 75V:121592 150V:121594 255V:121596	30V:121603 60V:121605 75V:121607 150V:121609 255V:121611
Type(Remote signal monitoring)	G2002MT-2P-FM	G2004MT-2P-FM	G2005MT-2P-FM	G2006DZ-2P-FM	G2006MT-2P-FM	G2008MT-2P-FM	G2010DZ-2P-FM
Ordering number (Remote signal monitoring)	30V:121514 60V:121516 75V:121518 150V:121520 255V:121522	30V:121529 60V:121531 75V:121533 150V:121535 255V:121537	30V:121544 60V:121546 75V:121548 150V:121550 255V:121552	30V:121574 60V:121576 75V:121578 150V:121580 255V:121582	30V:121559 60V:121561 75V:121563 150V:121565 255V:121567	30V:121589 60V:121591 75V:121593 150V:121595 255V:121597	30V:121604 60V:121606 75V:121608 150V:121610 255V:121612

Type	G2002MT/30-Module	G2002MT/60-Module	G2002MT/75-Module	G2002MT/150-Module	G2002MT/255-Module	G2004MT/30-Module	G2004MT/60-Module
Ordering number	AC:121523 DC:124655	AC:121524 DC:124656	AC:121525 DC:124657	AC:121526 DC:124658	AC:121527 DC:124659	AC:121538 DC:124660	AC:121539 DC:124661
Max. continuous operating voltage (a.c.d.c)(Uc)	30/30V	60/60V	75/75V	150/150V	255/255V	30/30V	60/60V
Nominal discharge current (8/20 μs) (In)	2kA					2kA	
Max. discharge current (8/20 μs) (Imax)	4kA					4kA	
Voltage protection level (Up)	≤180V	≤350V	≤400V	≤600V	≤750V	≤200V	≤400V



G20 Type3 AC/DC Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



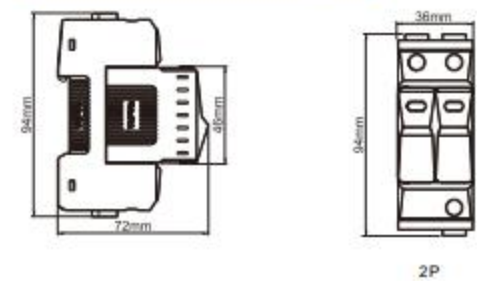
Type	G2004MT/75-Module	G2004MT/150-Module	G2004MT/255-Module	G2005MT/30-Module	G2005MT/60-Module	G2005MT/75-Module	G2005MT/150-Module
Ordering number	AC:121540 DC:124662	AC:121541 DC:124663	AC:121542 DC:124664	AC:121553 DC:124665	AC:121554 DC:124666	AC:121555 DC:124667	AC:121556 DC:124668
Max. continuous operating voltage (a.c.d.c)(Uc)	75/75V	150/150V	255/255V	30/30V	60/60V	75/75V	150/150V
Nominal discharge current (8/20 μs) (In)	2kA			3kA			
Max. discharge current (8/20 μs) (Imax)	4kA			5kA			
Voltage protection level (Up)	≤500V	≤640V	≤750V	≤240V	≤440V	≤560V	≤680V

Type	G2005MT/255-Module	G2006DZ/30-Module	G2006DZ/60-Module	G2006DZ/75-Module	G2006DZ/150-Module	G2006DZ/255-Module	G2008MT/30-Module
Ordering number	AC:121557 DC:124669	AC:121583 DC:124670	AC:121584 DC:124671	AC:121585 DC:124672	AC:121586 DC:124673	AC:121587 DC:124674	AC:121568 DC:124675
Max. continuous operating voltage (a.c.d.c)(Uc)	255/255V	30/30V	60/60V	75/75V	150/150V	255/255V	30/30V
Nominal discharge current (8/20 μs) (In)	3kA	3kA			2.5kA		2.5kA
Max. discharge current (8/20 μs) (Imax)	5kA	6kA			6kA		6kA
Voltage protection level (Up)	≤780V	≤240V	≤440V	≤560V	≤680V	≤780V	≤220V

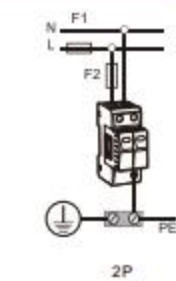
Type	G2008MT/60-Module	G2008MT/75-Module	G2008MT/150-Module	G2008MT/255-Module	G2008MT/30-Module	G2008MT/60-Module	G2008MT/75-Module
Ordering number	AC:121569 DC:124676	AC:121570 DC:124677	AC:121571 DC:124678	AC:121572 DC:124679	AC:121598 DC:124680	AC:121599 DC:124681	AC:121600 DC:124682
Max. continuous operating voltage (a.c.d.c)(Uc)	30/30V	60/60V	75/75V	150/150V	30/30V	60/60V	75/75V
Nominal discharge current (8/20 μs) (In)	2kA			3kA			
Max. discharge current (8/20 μs) (Imax)	4kA			8kA			
Voltage protection level (Up)	≤400V	≤540V	≤680V	≤780V	≤240V	≤440V	≤560V

Type	G2008MT/150-Module	G2008MT/255-Module	G2010DZ/30-Module	G2010DZ/60-Module	G2010DZ/75-Module	G2010DZ/150-Module	G2010DZ/255-Module
Ordering number	AC:121601 DC:124683	AC:121602 DC:124684	AC:121613 DC:124685	AC:121614 DC:124686	AC:121615 DC:124687	AC:121616 DC:124688	AC:121617 DC:124689
Max. continuous operating voltage (a.c.d.c)(Uc)	150/150V	255/255V	30/30V	150/150V	75/75V	150/150V	255/255V
Nominal discharge current (8/20 μs) (In)	3kA		5kA				
Max. discharge current (8/20 μs) (Imax)	8kA		10kA				
Voltage protection level (Up)	≤680V	≤780V	≤300V	≤500V	≤600V	≤700V	≤800V

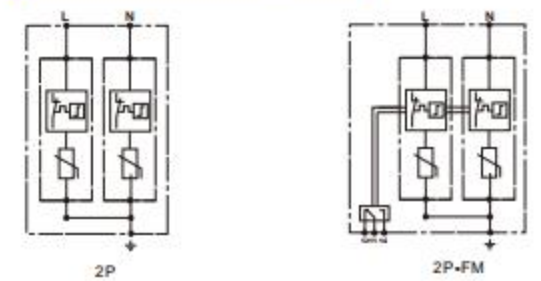
Dimension drawing



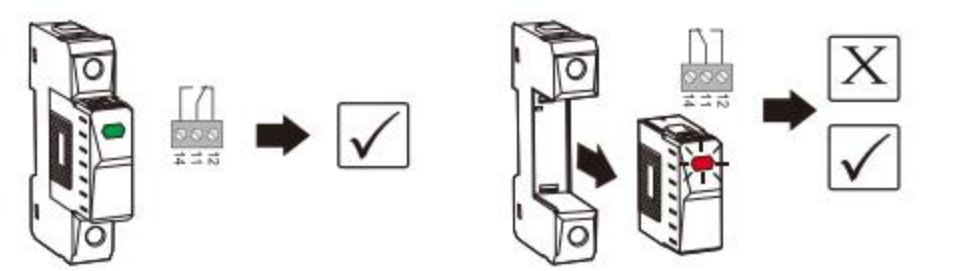
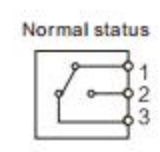
Standard wiring



Basic circuit diagram



Remote signal terminal



G20200MT Type2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20200MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	160kA						
Max. discharge current (8/20 μs) (Imax)	200kA						
Total lightning current (8/20 μs) L1/N→PE (Imax)total	1P:200kA,2P:400kA,3P:600kA,4P:800kA,						
Voltage protection level (Up)	≤2.5kV	≤3.2kV	≤3.4kV	≤4.0kV	≤4.5kV	≤5.0kV	≤1.5kV
Response time (tA)	100ns						
Operating temperature range (TU)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE,ROHS,CQC						
Weight	1P:220g,2P:440g,3P:660g,4P:880g,						

Type	G20200MT-1P	G20200MT-2P	G20200MT-3P	G20200MT-4P	G20200MT-1+NPE	G20200MT-3+NPE
Ordering number	150V:124734	150V:124746	150V:124758	150V:124770	150V:124782	150V:124794
	280V:124736	280V:124748	280V:124760	280V:124772	280V:124784	280V:124796
	320V:124738	320V:124750	320V:124762	320V:124774	320V:124786	320V:124798
	385V:124740	385V:124752	385V:124764	385V:124776	385V:124788	385V:124800
	440V:124742	440V:124754	440V:124766	440V:124778	440V:124790	440V:124802
	600V:124744	600V:124756	600V:124768	600V:124780	600V:124792	600V:124804
Type(Remote signal monitoring)	G20200MT-1P-FM	G20200MT-2P-FM	G20200MT-3P-FM	G20200MT-4P-FM	G20200MT-1+NPE-FM	G20200MT-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:124735	150V:124747	150V:124759	150V:124771	150V:124783	150V:124795
	280V:124737	280V:124749	280V:124761	280V:124773	280V:124785	280V:124797
	320V:124739	320V:124751	320V:124763	320V:124775	320V:124787	320V:124799
	385V:124741	385V:124753	385V:124765	385V:124777	385V:124789	385V:124801
	440V:124743	440V:124755	440V:124767	440V:124779	440V:124791	440V:124803
	600V:124745	600V:124757	600V:124769	600V:124781	600V:124793	600V:124805

Type	G20200MT/150-Module	G20200MT/280-Module	G20200MT/320-Module	G20200MT/385-Module	G20200MT/440-Module	G20200MT/600-Module	G20200MT-NPE-Module
Ordering number	124806	124807	124808	124809	124810	124811	124812
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	160kA						
Max. discharge current (8/20 μs) (Imax)	200kA						
Voltage protection level (Up)	≤2.5kV	≤3.2kV	≤3.4kV	≤4.0kV	≤4.5kV	≤5.0kV	≤1.5kV

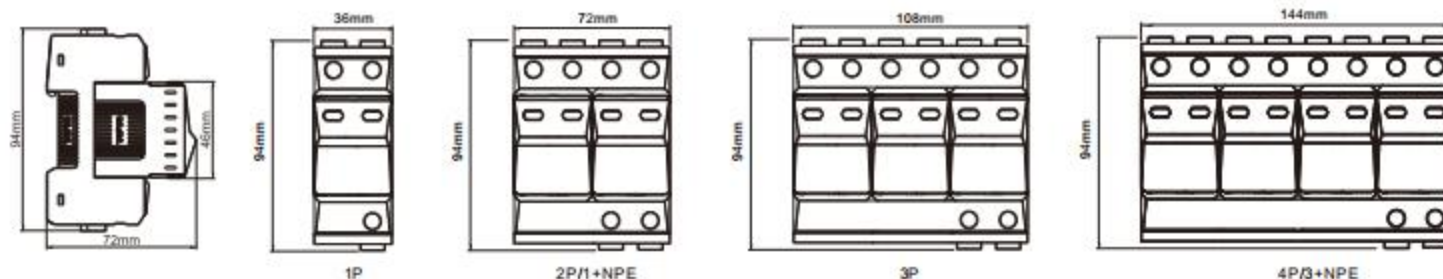


G20200MT Type2 Surge Protective Devices

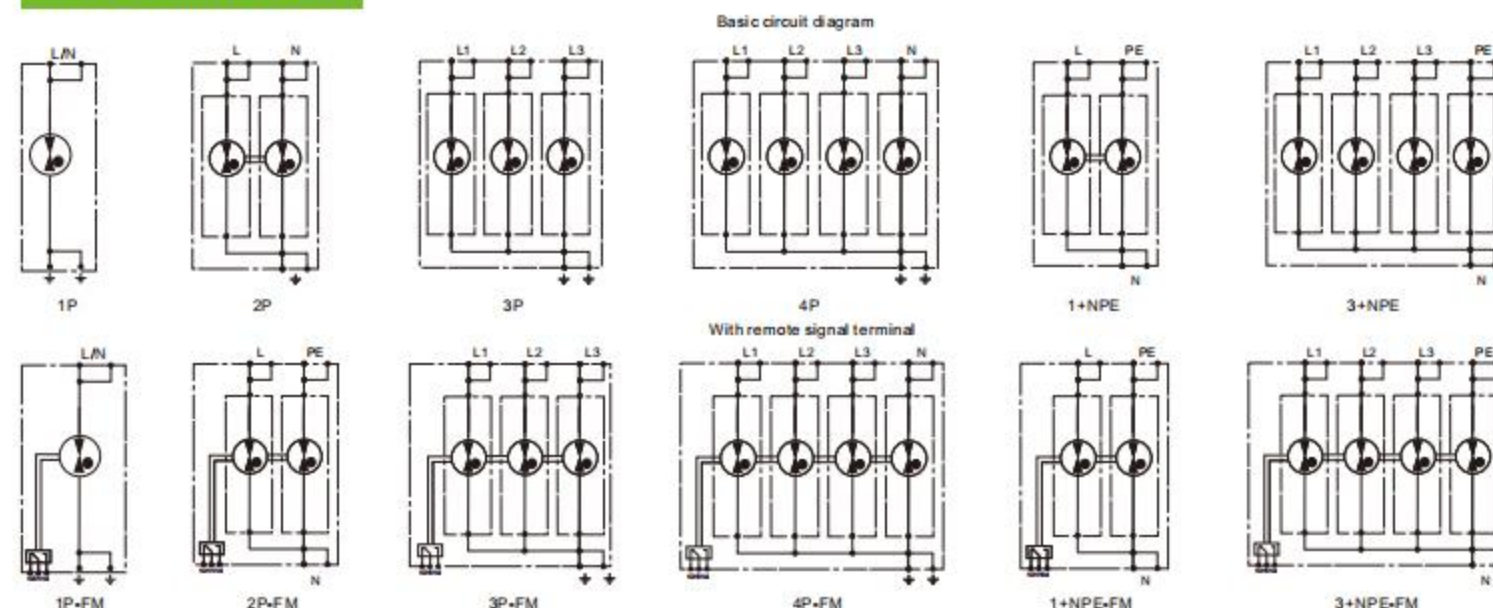
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



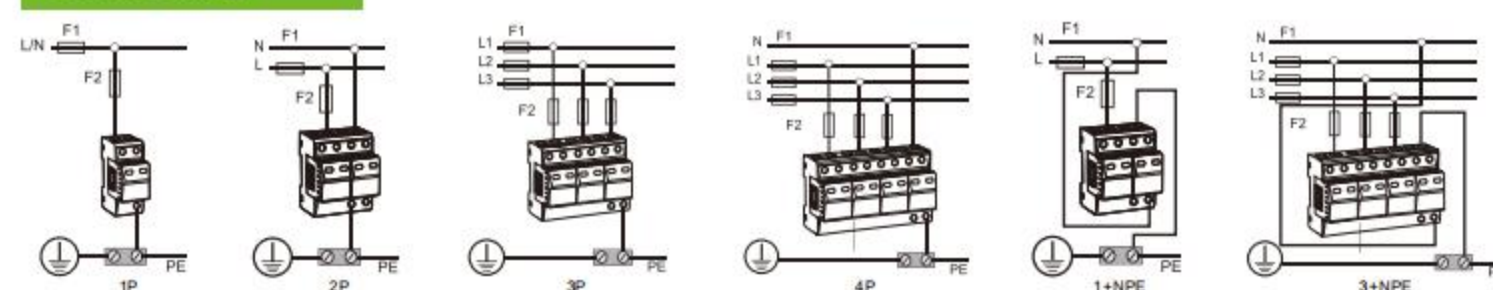
Dimension drawing



Basic circuit diagram



Standard wiring



Remote signal terminal



G20-B+C/4.5 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20-B+C/4.5					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	4.5kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P:4.5kA, 2P:9kA, 3P:13.5kA, 4P:18kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P:120g, 2P:240g, 3P:360g, 4P:480g,					

Type	G20-B+C/4.5-1P	G20-B+C/4.5-2P	G20-B+C/4.5-3P	G20-B+C/4.5-4P	G20-B+C/4.5-1+NPE	G20-B+C/4.5-3+NPE
Ordering number	280V:121618 320V:121620 385V:121622 440V:121624 600V:121626	280V:121628 320V:121630 385V:121634 440V:121636 600V:121638	280V:121638 320V:121640 385V:121642 440V:121644 600V:121646	280V:121648 320V:121650 385V:121652 440V:121654 600V:121656	280V:121658 320V:124373 385V:121662 440V:124375 600V:124377	280V:121660 320V:124374 385V:121664 440V:124376 600V:124378
Type(Remote signal monitoring)	G20-B+C/4.5-1P-FM	G20-B+C/4.5-2P-FM	G20-B+C/4.5-3P-FM	G20-B+C/4.5-4P-FM	G20-B+C/4.5-1+NPE-FM	G20-B+C/4.5-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:121619 320V:121621 385V:121623 440V:121625 600V:121627	280V:121629 320V:121631 385V:121633 440V:121635 600V:121637	280V:121639 320V:121641 385V:121643 440V:121645 600V:121647	280V:121649 320V:121651 385V:121653 440V:121655 600V:121657	280V:121659 320V:124379 385V:121663 440V:124381 600V:124383	280V:121661 320V:124380 385V:121665 440V:124382 600V:124384

Type	G20-B+C/4.5/20-Module	G20-B+C/4.5/30-Module	G20-B+C/4.5/385-Module	G20-B+C/4.5/440-Module	G20-B+C/4.5/600-Module	G20-B+C/4.5/NPE-Module
Ordering number	121666	121667	121668	121669	121670	121671
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	4.5kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

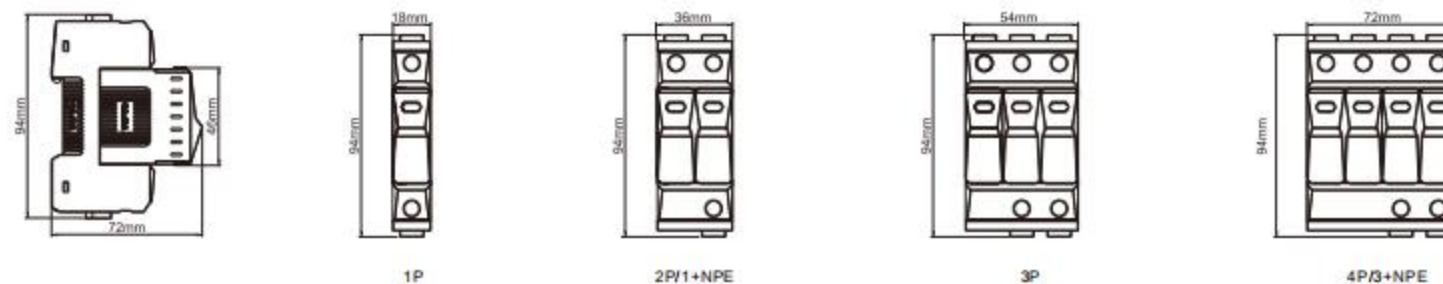


G20-B+C/4.5 Type1+2 Surge Protective Devices

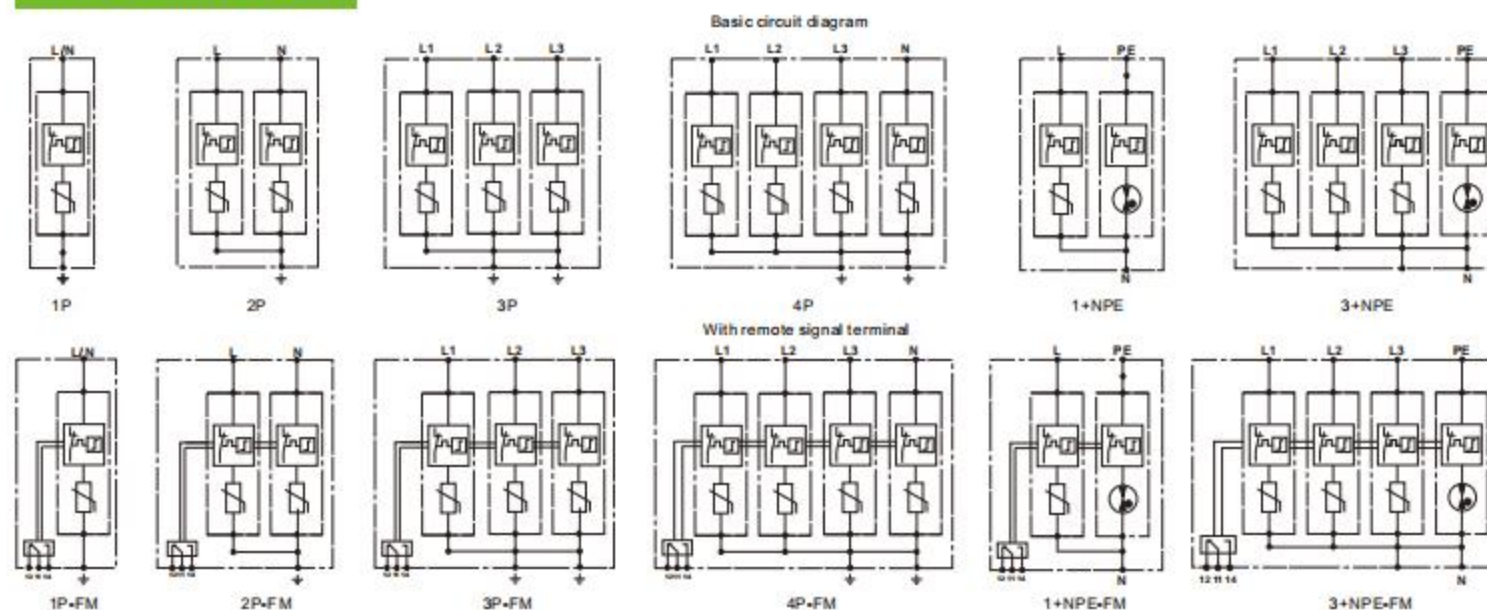
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



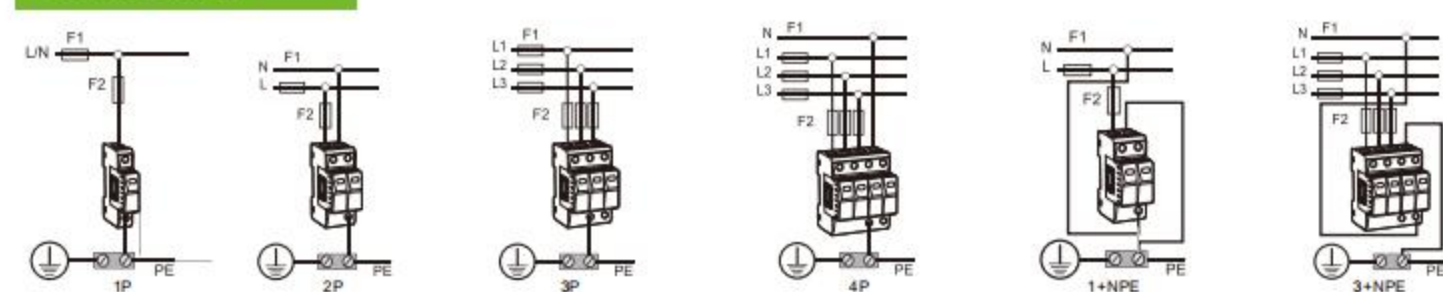
Dimension drawing



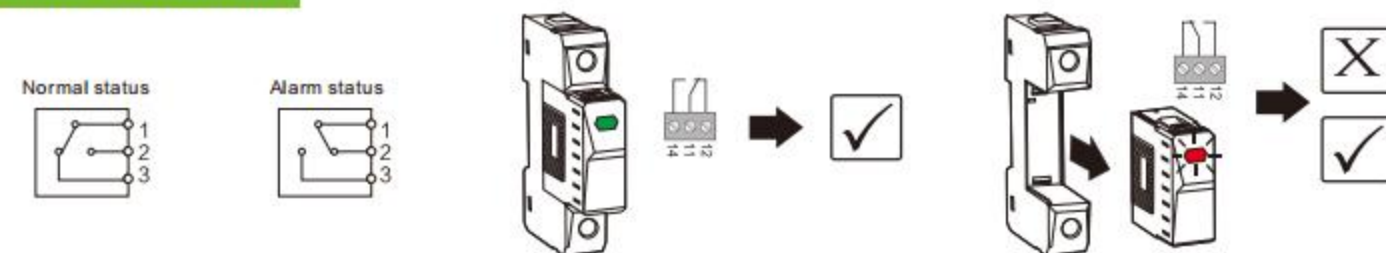
Basic circuit diagram



Standard wiring



Remote signal terminal



G20-B+C/6.5 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20-B+C/6.5					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE: 255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	6.5kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P: 6.5kA, 2P: 13kA, 3P: 19.5kA, 4P: 26.5kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	1P: 120g, 2P: 240g, 3P: 360g, 4P: 480g,					

Type	G20-B+C/6.5-1P	G20-B+C/6.5-2P	G20-B+C/6.5-3P	G20-B+C/6.5-4P	G20-B+C/6.5-1+NPE	G20-B+C/6.5-3+NPE
Ordering number	280V: 121672 320V: 121674 385V: 121676 440V: 121678 600V: 121680	280V: 121682 320V: 121684 385V: 121686 440V: 121688 600V: 121690	280V: 121692 320V: 121694 385V: 121696 440V: 121698 600V: 121700	280V: 121702 320V: 121704 385V: 121706 440V: 121708 600V: 121710	280V: 121712 320V: 124385 385V: 121716 440V: 124387 600V: 124389	280V: 121714 320V: 124386 385V: 121718 440V: 124388 600V: 124390
Type (Remote signal monitoring)	G20-B+C/6.5-1P-FM	G20-B+C/6.5-2P-FM	G20-B+C/6.5-3P-FM	G20-B+C/6.5-4P-FM	G20-B+C/6.5-1+NPE-FM	G20-B+C/6.5-3+NPE-FM
Ordering number (Remote signal monitoring)	280V: 121673 320V: 121675 385V: 121677 440V: 121679 600V: 121681	280V: 121683 320V: 121685 385V: 121687 440V: 121689 600V: 121691	280V: 121693 320V: 121695 385V: 121697 440V: 121699 600V: 121701	280V: 121703 320V: 121705 385V: 121707 440V: 121709 600V: 121711	280V: 121713 320V: 124391 385V: 121717 440V: 124393 600V: 124395	280V: 121715 320V: 124392 385V: 121719 440V: 124394 600V: 124396

Type	G20-B+C/6.5/280-Module	G20-B+C/6.5/320-Module	G20-B+C/6.5/385-Module	G20-B+C/6.5/440-Module	G20-B+C/6.5/600-Module	G20-B+C/6.5/NPE-Module
Ordering number	121720	121721	121722	121723	121724	121725
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	6.5kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

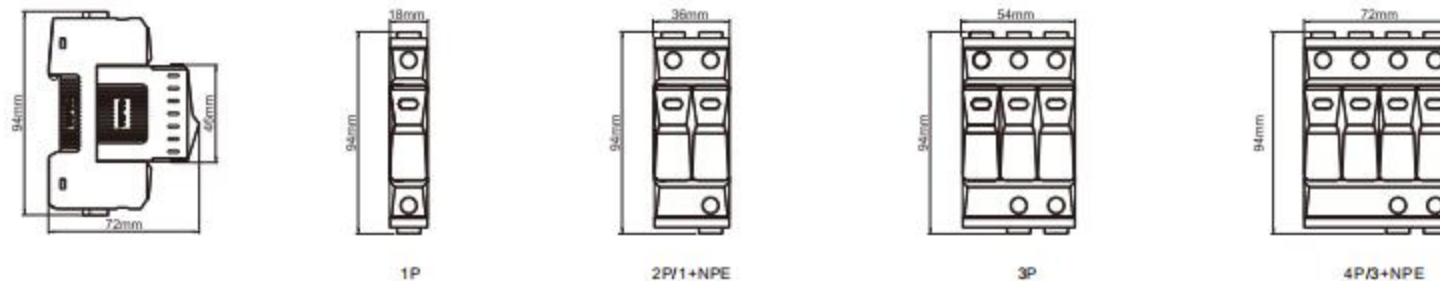


G20-B+C/6.5 Type1+2 Surge Protective Devices

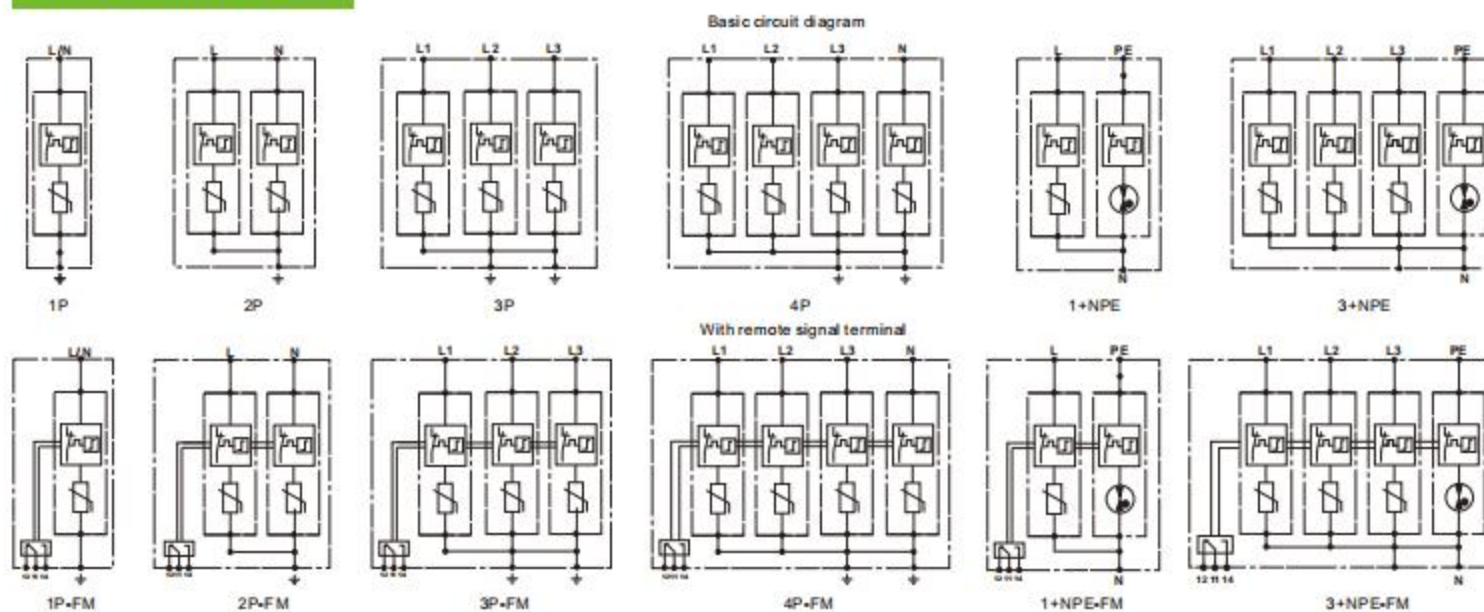
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



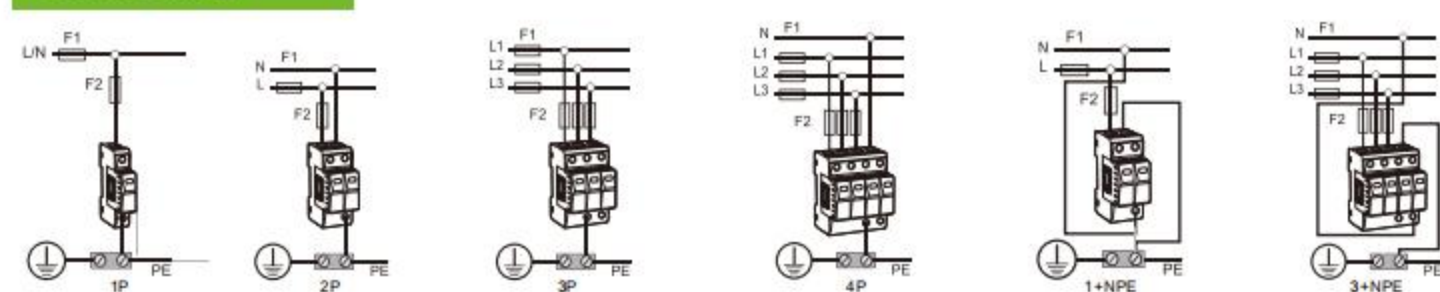
Dimension drawing



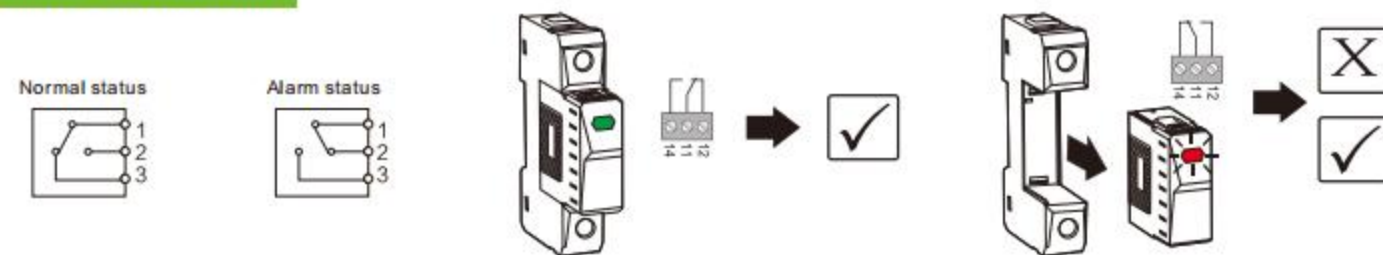
Basic circuit diagram



Standard wiring



Remote signal terminal



G20-B+C/7 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20-B+C/7					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE: 255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	7kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P: 7kA, 2P: 14kA, 3P: 21kA, 4P: 28kA,					
Voltage protection level (Up)	≤1.4kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	TUV, CB, CE, ROHS, CQC					
Weight	1P: 120g, 2P: 240g, 3P: 360g, 4P: 480g,					

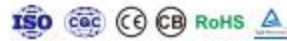
Type	G20-B+C/7-1P	G20-B+C/7-2P	G20-B+C/7-3P	G20-B+C/7-4P	G20-B+C/7-1+NPE	G20-B+C/7-3+NPE
Ordering number	280V: 121726 320V: 121728 385V: 121730 440V: 121732 600V: 121734	280V: 121736 320V: 121738 385V: 121740 440V: 121742 600V: 121744	280V: 121746 320V: 121748 385V: 121750 440V: 121752 600V: 121754	280V: 121756 320V: 121758 385V: 121760 440V: 121762 600V: 121764	280V: 121766 320V: 124397 385V: 121770 440V: 124399 600V: 124401	280V: 121768 320V: 124398 385V: 121772 440V: 124400 600V: 124402
Type (Remote signal monitoring)	G20-B+C/7-1P-FM	G20-B+C/7-2P-FM	G20-B+C/7-3P-FM	G20-B+C/7-4P-FM	G20-B+C/7-1+NPE-FM	G20-B+C/7-3+NPE-FM
Ordering number (Remote signal monitoring)	280V: 121727 320V: 121729 385V: 121731 440V: 121733 600V: 121735	280V: 121737 320V: 121739 385V: 121741 440V: 121743 600V: 121745	280V: 121747 320V: 121749 385V: 121751 440V: 121753 600V: 121755	280V: 121757 320V: 121759 385V: 121761 440V: 121763 600V: 121765	280V: 121767 320V: 124403 385V: 121771 440V: 124405 600V: 124407	280V: 121769 320V: 124404 385V: 121773 440V: 124406 600V: 124408

Type	G20-B+C/7/280-Module	G20-B+C/7/320-Module	G20-B+C/7/385-Module	G20-B+C/7/440-Module	G20-B+C/7/600-Module	G20-B+C/7-NPE-Module
Ordering number	121774	121775	121776	121777	121778	121779
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	7kA					
Voltage protection level (Up)	≤1.4kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

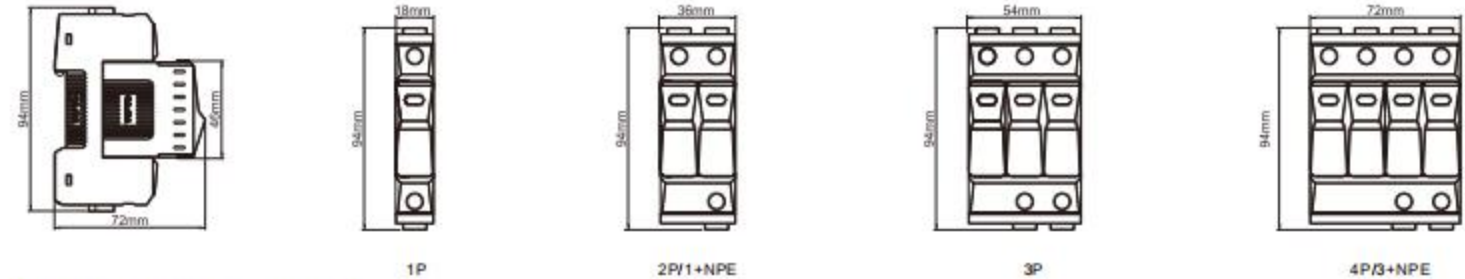


G20-B+C/7 Type1+2 Surge Protective Devices

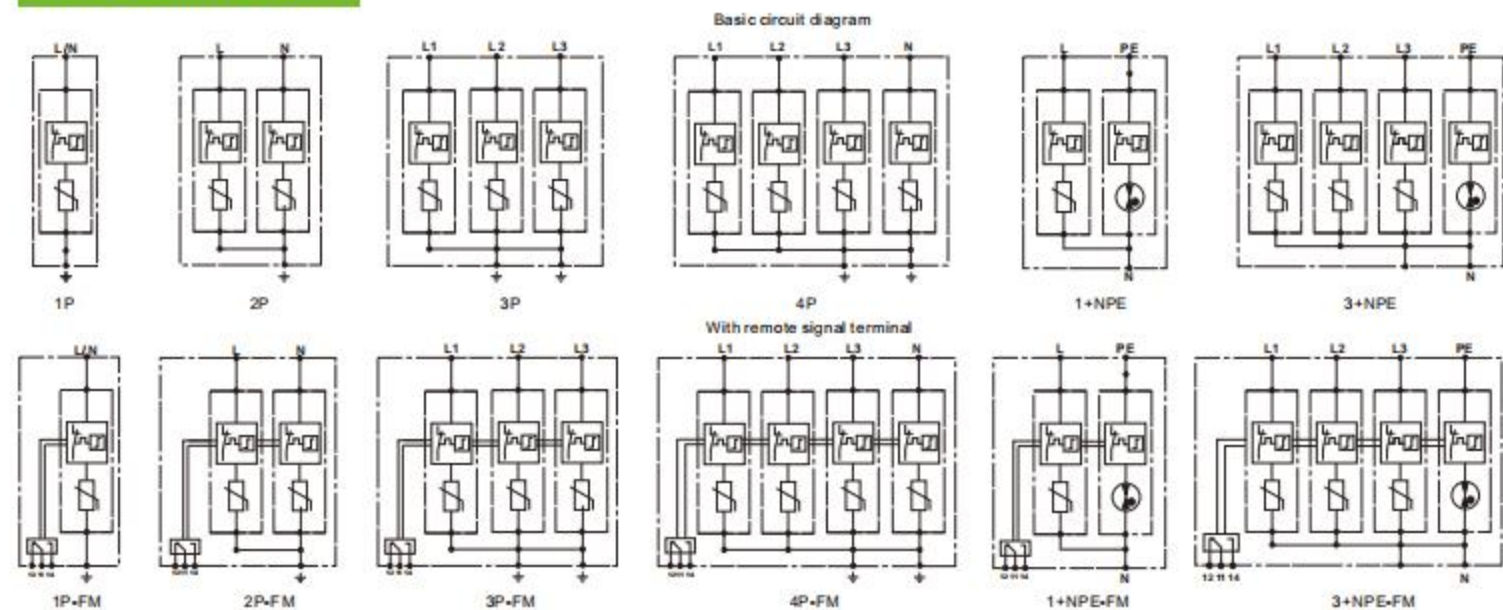
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



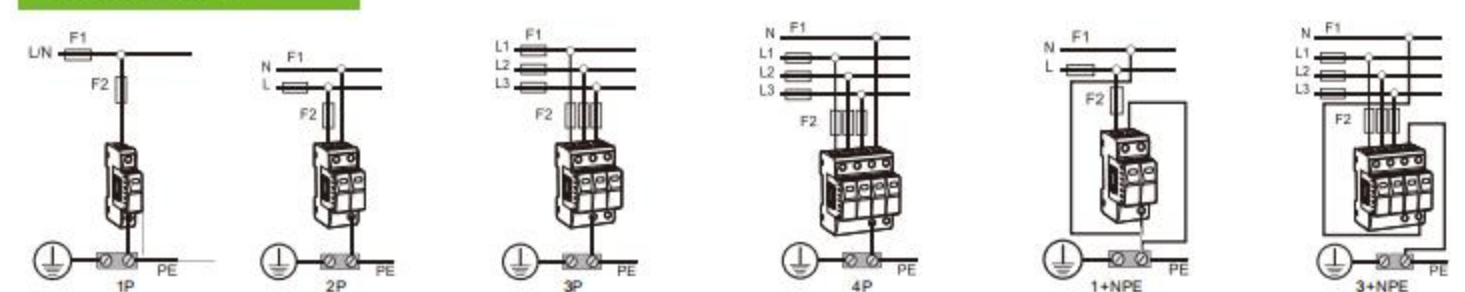
Dimension drawing



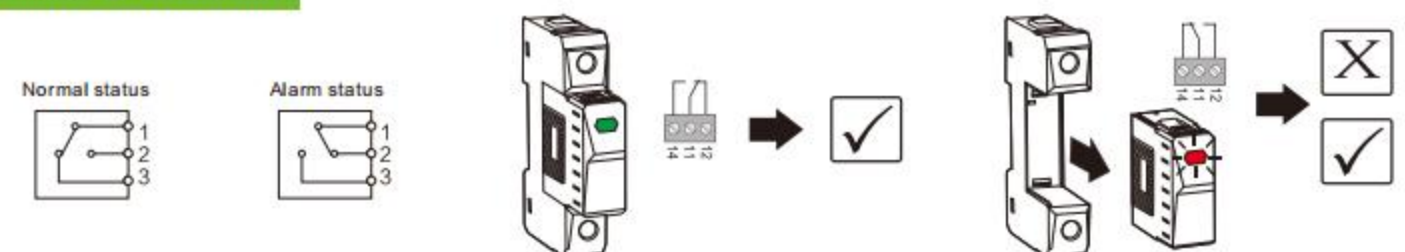
Basic circuit diagram



Standard wiring



Remote signal terminal



G30-B+C/12.5 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G30-B+C/12.5					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	12.5kA					
Total lightning current (10/350 μs) L1N→PE (Iimp) Itotal	1P: 12.5kA, 2P: 25kA, 3P: 37.5kA, 4P: 50kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	TUV, CB, CE, ROHS, CQC					
Weight	1P: 120g, 2P: 240g, 3P: 360g, 4P: 480g,					

Type	G30-B+C/12.5-1P	G30-B+C/12.5-2P	G30-B+C/12.5-3P	G30-B+C/12.5-4P	G30-B+C/12.5-1+NPE	G30-B+C/12.5-3+NPE
Ordering number	280V:121780 320V:121782 385V:121784 440V:121786 600V:121788	280V:121790 320V:121792 385V:121794 440V:121796 600V:121798	280V:121800 320V:121802 385V:121804 440V:121806 600V:121808	280V:121810 320V:121812 385V:121814 440V:121816 600V:121818	280V:121820 320V:124409 385V:121824 440V:124411 600V:124413	280V:121822 320V:124410 385V:121826 440V:124412 600V:124414
Type(Remote signal monitoring)	G30-B+C/12.5-1P-FM	G30-B+C/12.5-2P-FM	G30-B+C/12.5-3P-FM	G30-B+C/12.5-4P-FM	G30-B+C/12.5-1+NPE-FM	G30-B+C/12.5-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:121781 320V:121783 385V:121785 440V:121787 600V:121789	280V:121791 320V:121793 385V:121795 440V:121797 600V:121799	280V:121801 320V:121803 385V:121805 440V:121807 600V:121809	280V:121811 320V:121813 385V:121815 440V:121817 600V:121819	280V:121821 320V:124415 385V:121825 440V:124417 600V:124419	280V:121823 320V:124416 385V:121827 440V:124418 600V:124420

Type	G30-B+C/12.5/280-Module	G30-B+C/12.5/320-Module	G30-B+C/12.5/385-Module	G30-B+C/12.5/440-Module	G30-B+C/12.5/600-Module	G30-B+C/12.5-NPE-Module
Ordering number	121828	121829	121830	121831	121832	121833
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	12.5kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

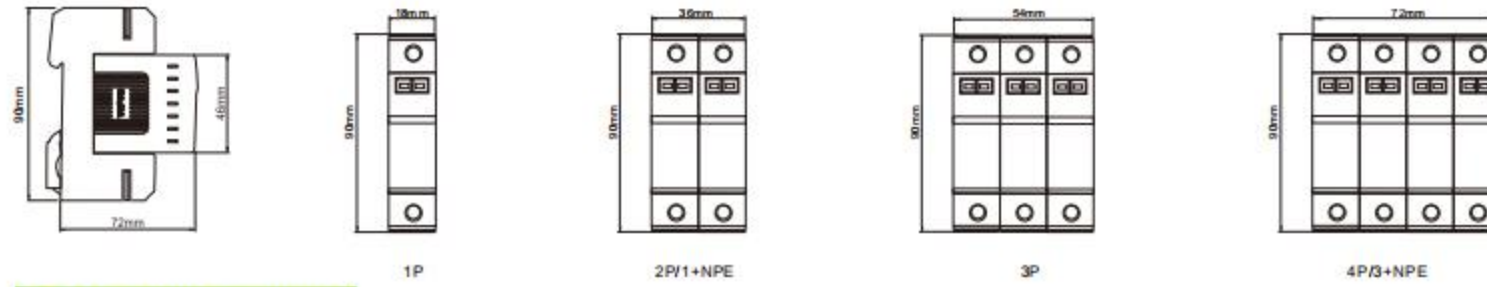


G30-B+C/12.5 Type1+2 Surge Protective Devices

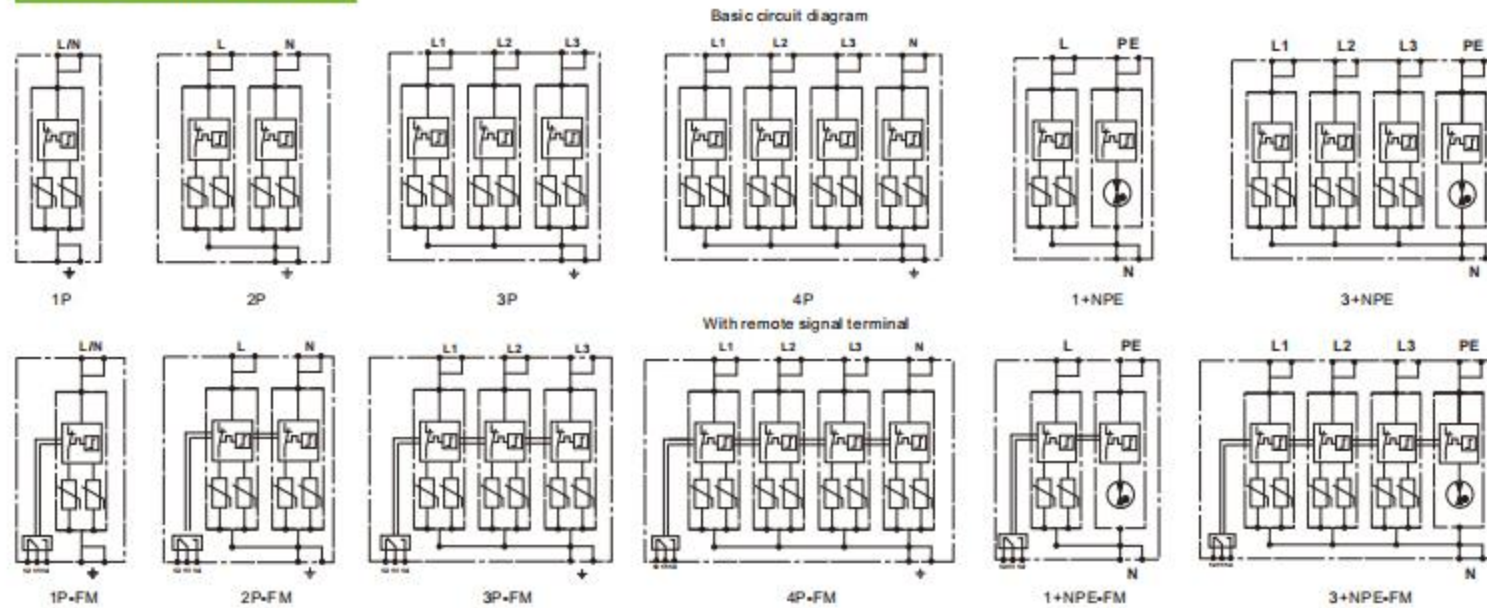
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



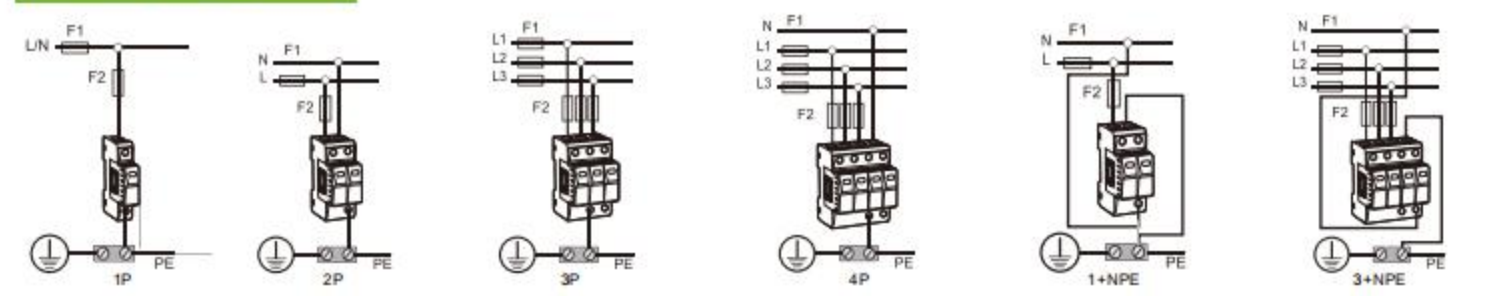
Dimension drawing



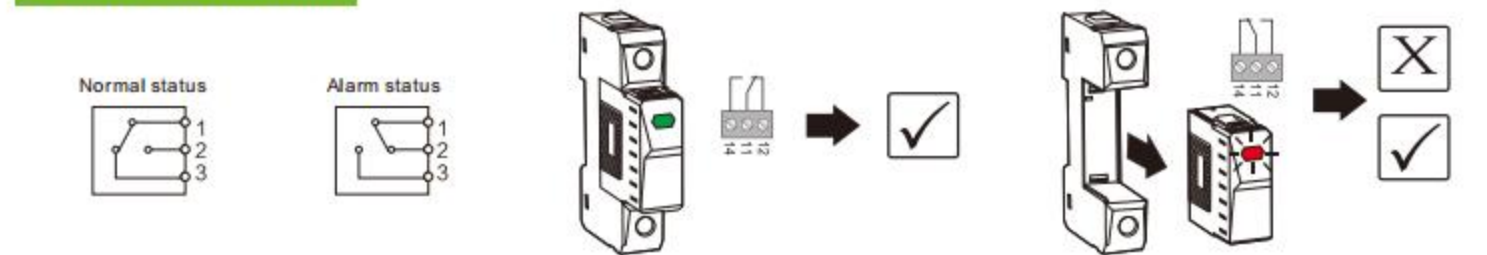
Basic circuit diagram



Standard wiring



Remote signal terminal



G30-B+C/15 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G30-B+C/15					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE: 255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	15kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P: 15kA, 2P: 30kA, 3P: 45kA, 4P: 60kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	25ns					100ns
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	TUV, CB, CE, ROHS, CQC					
Weight	1P: 120g, 2P: 240g, 3P: 360g, 4P: 480g,					

Type	G30-B+C/15-1P	G30-B+C/15-2P	G30-B+C/15-3P	G30-B+C/15-4P	G30-B+C/15-1+NPE	G30-B+C/15-3+NPE
Ordering number	280V: 121834 320V: 121836 385V: 121838 440V: 121840 600V: 121842	280V: 121844 320V: 121846 385V: 121848 440V: 121850 600V: 121852	280V: 121854 320V: 121856 385V: 121858 440V: 121860 600V: 121862	280V: 121864 320V: 121866 385V: 121868 440V: 121870 600V: 121872	280V: 121874 320V: 124421 385V: 121878 440V: 124423 600V: 124425	280V: 121876 320V: 124422 385V: 121880 440V: 124424 600V: 124426
Type (Remote signal monitoring)	G30-B+C/15-1P-FM	G30-B+C/15-2P-FM	G30-B+C/15-3P-FM	G30-B+C/15-4P-FM	G30-B+C/15-1+NPE-FM	G30-B+C/15-3+NPE-FM
Ordering number (Remote signal monitoring)	280V: 121835 320V: 121837 385V: 121839 440V: 121841 600V: 121843	280V: 121845 320V: 121847 385V: 121849 440V: 121851 600V: 121853	280V: 121855 320V: 121857 385V: 121859 440V: 121861 600V: 121863	280V: 121865 320V: 121867 385V: 121869 440V: 121871 600V: 121873	280V: 121875 320V: 124427 385V: 121879 440V: 124429 600V: 124431	280V: 121877 320V: 124428 385V: 121881 440V: 124430 600V: 124432

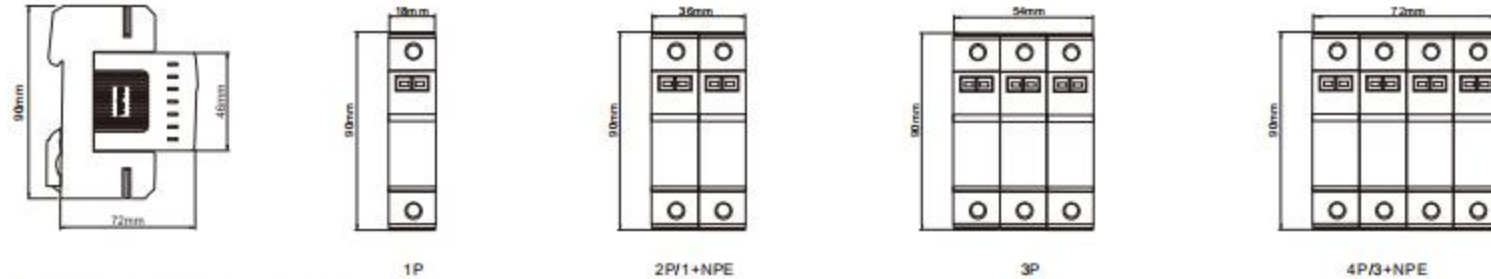
Type	G30-B+C/15/280-Module	G30-B+C/15/320-Module	G30-B+C/15/385-Module	G30-B+C/15/440-Module	G30-B+C/15/600-Module	G30-B+C/15-NPE-Module
Ordering number	121882	121883	121884	121885	121886	121887
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	15kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

G30-B+C/15 Type1+2 Surge Protective Devices

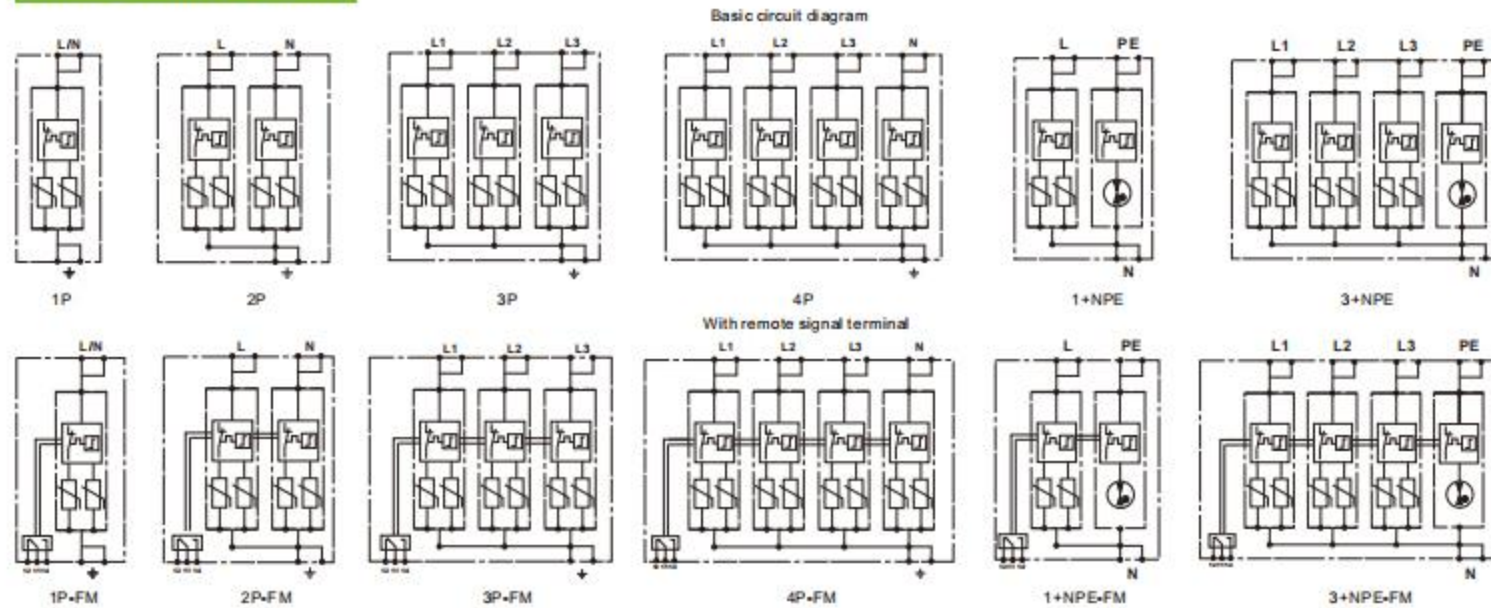
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



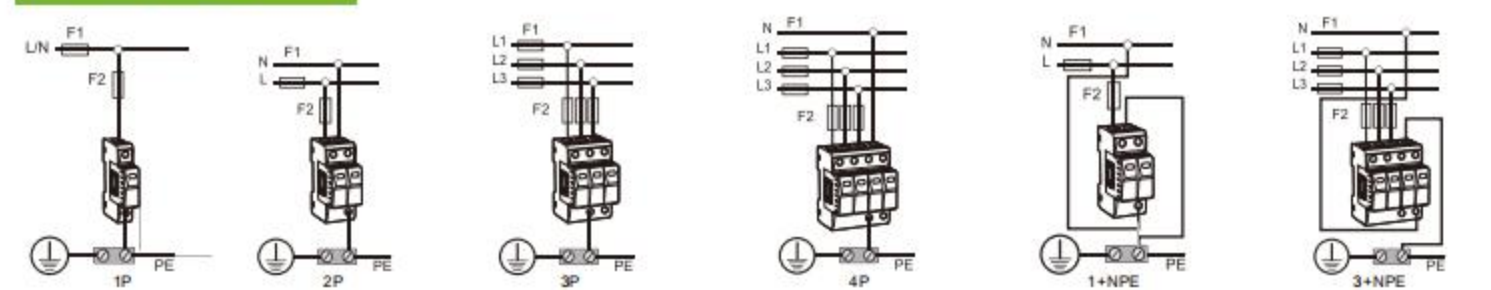
Dimension drawing



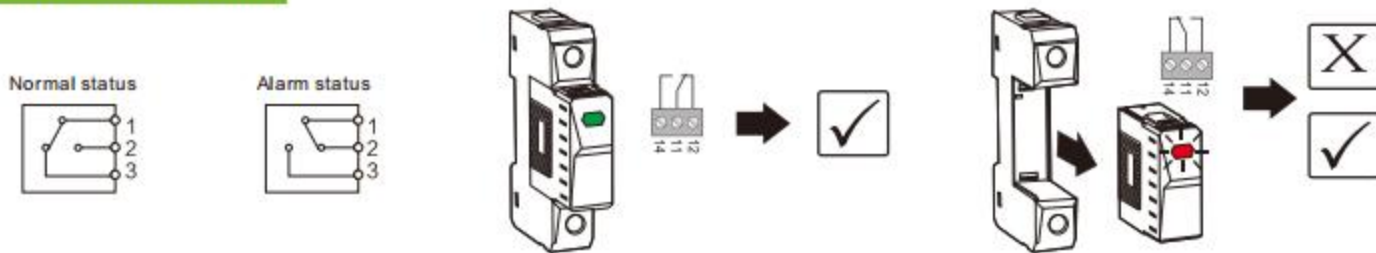
Basic circuit diagram



Standard wiring

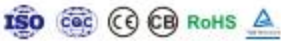


Remote signal terminal



G30-B+C/20 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G30-B+C/20					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE: 255V
Nominal discharge current (8/20 μs) (In)	20kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	20kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P:20kA, 2P:40kA, 3P:60kA, 4P:80kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (Tu)	-40°C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	TUV, CB, CE, ROHS, CQC					
Weight	1P:200g, 2P:400g, 3P:600g, 4P:800g,					

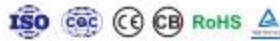
Type	G30-B+C/20-1P	G30-B+C/20-2P	G30-B+C/20-3P	G30-B+C/20-4P	G30-B+C/20-1+NPE	G30-B+C/20-3+NPE
Ordering number	280V:12188 320V:12189 385V:12189 440V:12189 600V:12189	280V:12188 320V:12190 385V:12190 440V:12190 600V:12190	280V:12190 320V:12191 385V:12191 440V:12191 600V:12191	280V:12191 320V:12192 385V:12192 440V:12192 600V:12192	280V:12192 320V:12433 385V:12193 440V:12435 600V:12437	280V:12193 320V:12443 385V:12194 440V:12443 600V:12443
Type(Remote signal monitoring)	G30-B+C/20-1P-FM	G30-B+C/20-2P-FM	G30-B+C/20-3P-FM	G30-B+C/20-4P-FM	G30-B+C/20-1+NPE-FM	G30-B+C/20-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:12188 320V:12189 385V:12189 440V:12189 600V:12189	280V:12189 320V:12191 385V:12193 440V:12195 600V:12197	280V:12190 320V:12191 385V:12193 440V:12195 600V:12197	280V:12191 320V:12192 385V:12193 440V:12195 600V:12197	280V:12192 320V:12439 385V:12193 440V:12441 600V:12443	280V:12193 320V:12444 385V:12195 440V:12442 600V:12444

Type	G30-B+C/20-1P-Module	G30-B+C/20-2P-Module	G30-B+C/20-3P-Module	G30-B+C/20-4P-Module	G30-B+C/20-1+NPE-Module	G30-B+C/20-3+NPE-Module
Ordering number	121936	121937	121938	121939	121940	121941
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	20kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	20kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

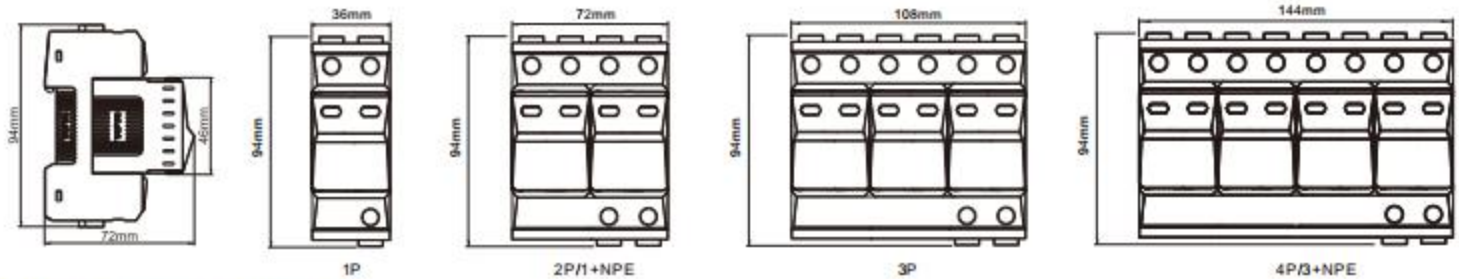


G30-B+C/20 Type1+2 Surge Protective Devices

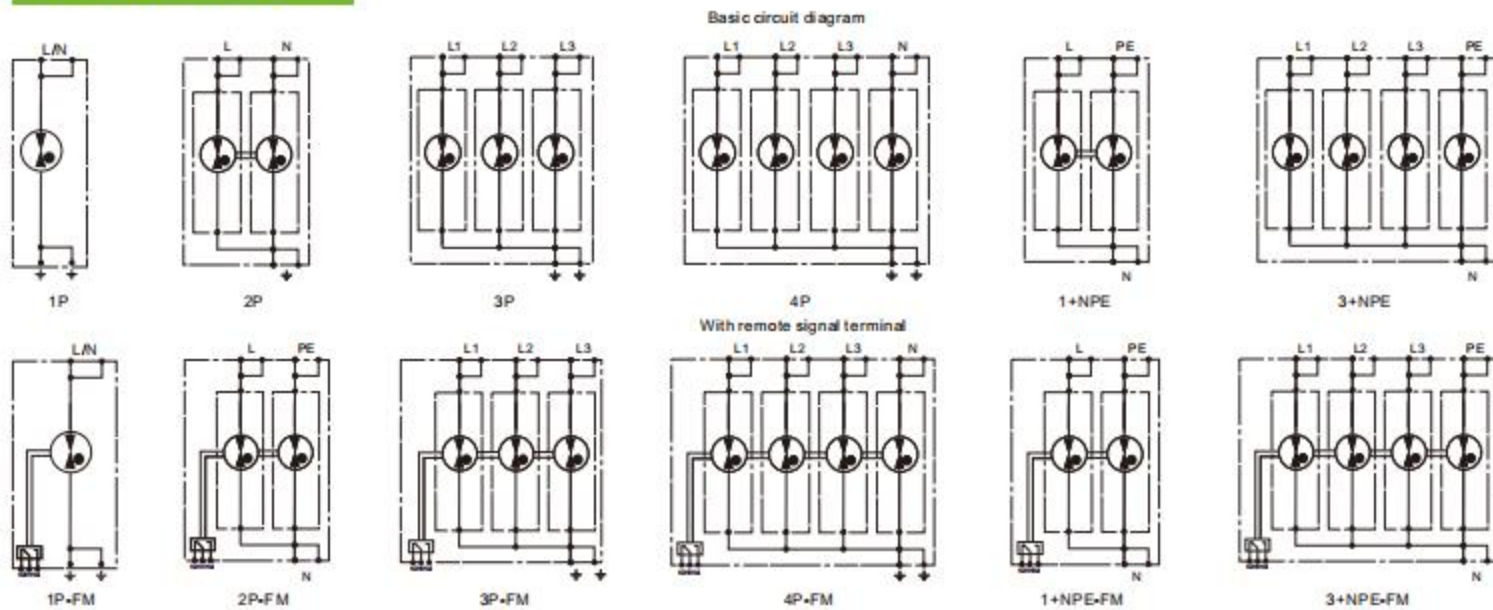
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



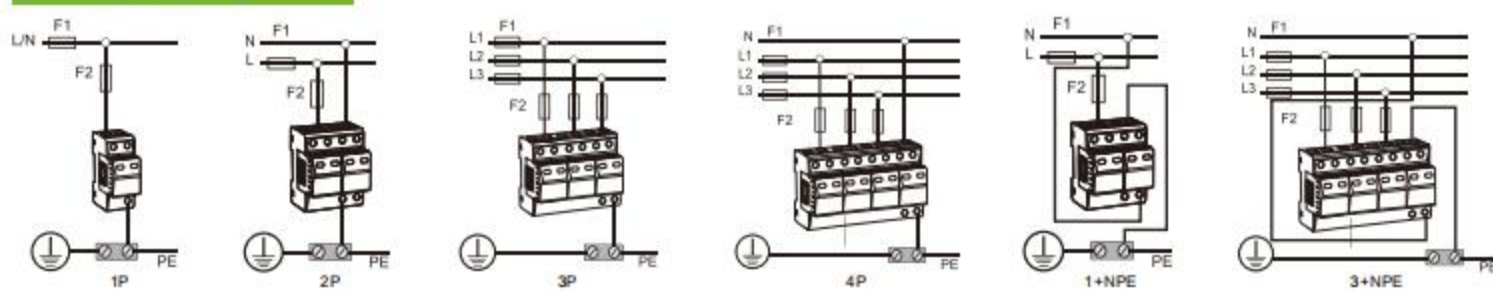
Dimension drawing



Basic circuit diagram

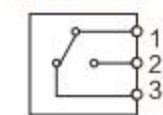


Standard wiring



Remote signal terminal

Normal status

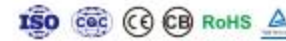


Alarm status



G30-B+C/25 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



Temperature compensation



Type	G30-B+C/25					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II / T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE: 255V
Nominal discharge current (8/20 μs) (In)	25kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	25kA					
Total lightning current (10/350 μs) L1/N→PE (Iimp) Itotal	1P: 25kA, 2P: 50kA, 3P: 75kA, 4P: 100kA,					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (tA)	100ns					
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	TUV, CB, CE, ROHS, CQC					
Weight	1P: 200g, 2P: 400g, 3P: 600g, 4P: 800g,					

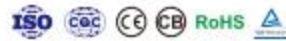
Type	G30-B+C/25-1P	G30-B+C/25-2P	G30-B+C/25-3P	G30-B+C/25-4P	G30-B+C/25-1+NPE	G30-B+C/25-3+NPE
Ordering number	280V: 121942 320V: 121944 385V: 121946 440V: 121948 600V: 121950	280V: 121952 320V: 121954 385V: 121956 440V: 121958 600V: 121960	280V: 121962 320V: 121964 385V: 121966 440V: 121968 600V: 121970	280V: 121972 320V: 121974 385V: 121976 440V: 121978 600V: 121980	280V: 121982 320V: 124445 385V: 121986 440V: 124447 600V: 124449	280V: 121984 320V: 124446 385V: 121988 440V: 124448 600V: 124450
Type (Remote signal monitoring)	G30-B+C/25-1P-FM	G30-B+C/25-2P-FM	G30-B+C/25-3P-FM	G30-B+C/25-4P-FM	G30-B+C/25-1+NPE-FM	G30-B+C/25-3+NPE-FM
Ordering number (Remote signal monitoring)	280V: 121943 320V: 121945 385V: 121947 440V: 121949 600V: 121951	280V: 121953 320V: 121955 385V: 121957 440V: 121959 600V: 121961	280V: 121963 320V: 121965 385V: 121967 440V: 121969 600V: 121971	280V: 121973 320V: 121975 385V: 121977 440V: 121979 600V: 121981	280V: 121983 320V: 124451 385V: 121987 440V: 124453 600V: 124455	280V: 121985 320V: 124452 385V: 121989 440V: 124454 600V: 124456

Type	G30-B+C/25/280-Module	G30-B+C/25/320-Module	G30-B+C/25/385-Module	G30-B+C/25/440-Module	G30-B+C/25/600-Module	G30-B+C/25-NPE-Module
Ordering number	121990	121991	121992	121993	121994	121995
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	255V
Nominal discharge current (8/20 μs) (In)	25kA					
Max. discharge current (8/20 μs) (Imax)	50kA					
Lightning impulse current (10/350 μs) (Iimp)	25kA					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV

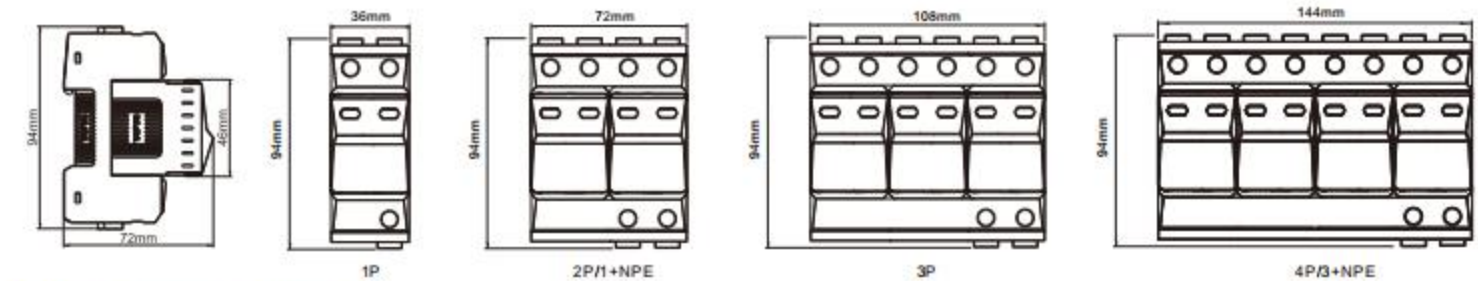


G30-B+C/25 Type1+2 Surge Protective Devices

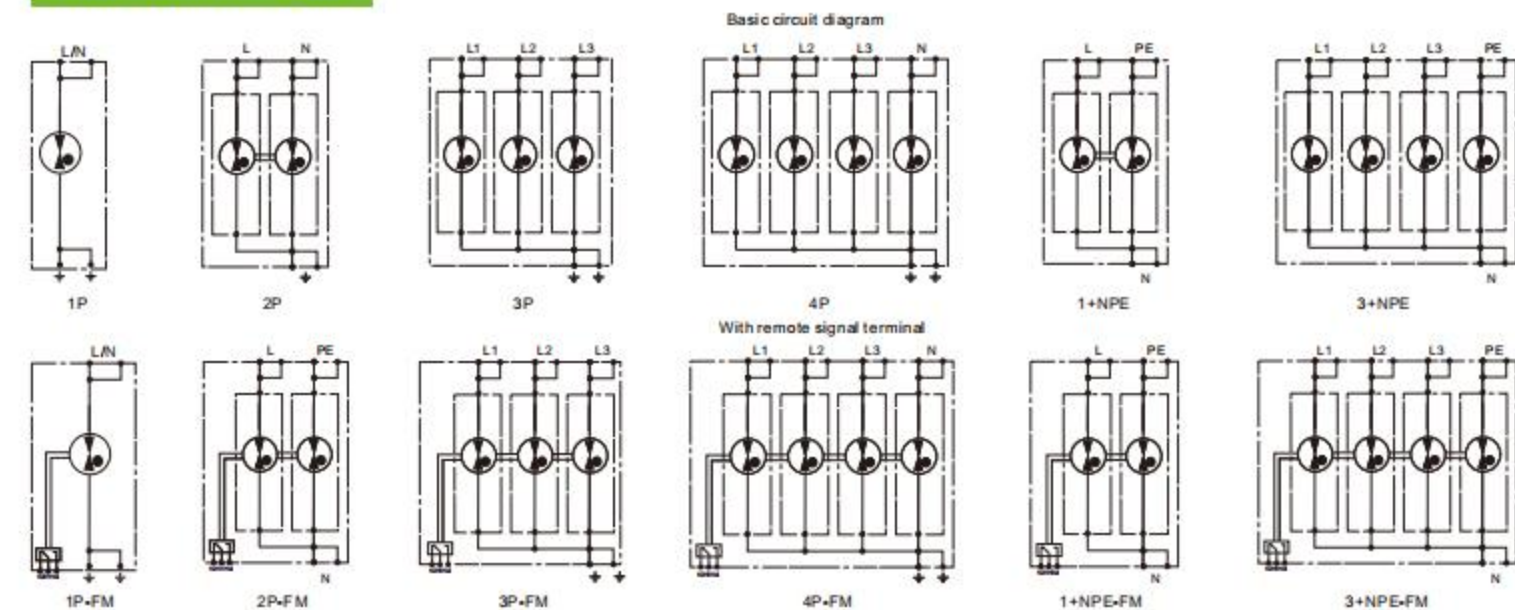
- Innovative tripping and breaking technology
- The maximum discharge current of a single module can reach 15-100kA (10/350μs)
- High-energy surge protection, failure alarm prompt



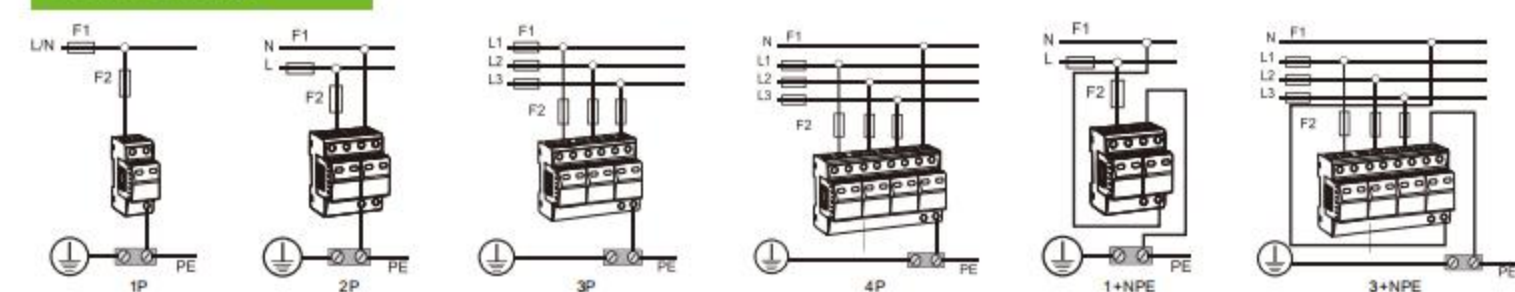
Dimension drawing



Basic circuit diagram

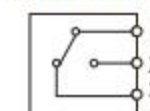


Standard wiring

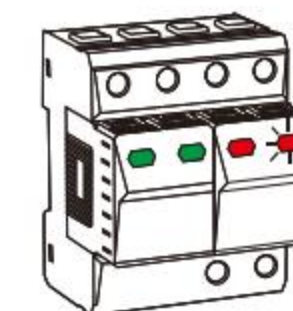
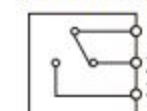


Remote signal terminal

Normal status



Alarm status



G2020PV Type 2 PV Surge Protective Devices

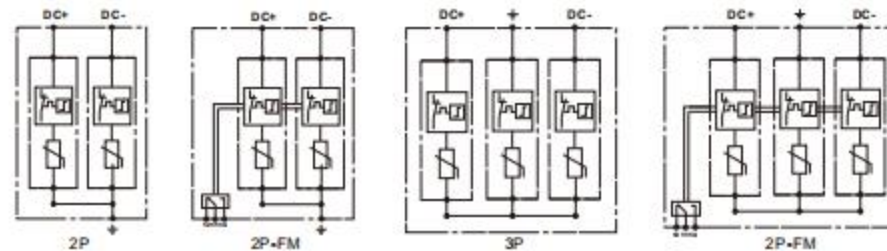
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



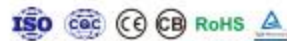
Type	G2020PV						
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	10kA						
Max. discharge current (8/20 μs) (I _{max})	20kA						
Total lightning current (8/20 μs) DC+, DC- → PE (I _{max}) I _{total}	2P:40kA, 3P:60kA						
Voltage protection level (U _p)	≤1.5kV	≤2.2kV	≤2.2kV	≤2.8kV	≤3.2kV	≤3.6kV	≤4.0kV
Response time (t _A)	25ns						
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	TUV,CE,ROHS,CQC						
Weight	2P:220g,3P:340g						

Type	G2020PV/300	G2020PV/500	G2020PV/600	G2020PV/800	G2020PV/1000	G2020PV/1200	G2020PV/1500
Ordering number	2P:124792	2P:124794	2P:124796	2P:124798 3P:124799	2P:124802 3P:124803	2P:124806 3P:124807	3P:124810
Type(Remote signal monitoring)	G2020PV/300-FM	G2020PV/500-FM	G2020PV/600-FM	G2020PV/800-FM	G2020PV/1000-FM	G2020PV/1200-FM	G2020PV/1500-FM
Ordering number (Remote signal monitoring)	2P:124793	2P:124795	2P:124797	2P:124800 3P:124801	2P:124804 3P:124805	2P:124808 3P:124809	3P:124811

Type	G2020PV/300-Module	G2020PV/500-Module	G2020PV/600-Module	G2020PV/800-Module	G2020PV/1000-Module	G2020PV/1200-Module	G2020PV/1500-Module
Ordering number	124812	124813	124814	2P:124815 3P:124816	2P:124817 3P:124818	2P:124819 3P:124820	124821
Max. PV voltage (d.c.) (U _{cpv})	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (I _n)	10kA						
Max. discharge current (8/20 μs) (I _{max})	20kA						
Voltage protection level (U _p)	≤1.5kV	≤2.2kV	≤2.2kV	≤2.8kV	≤3.2kV	≤3.6kV	≤4.0kV

G2040PV Type 2 PV Surge Protective Devices

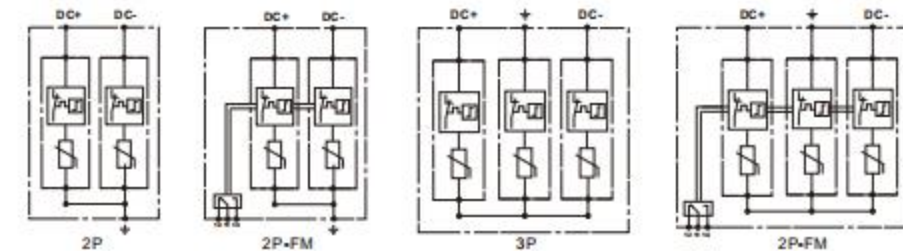
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



Type	G2040PV						
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Total lightning current (8/20 μs) DC+, DC- → PE (I _{max}) I _{total}	2P:80kA, 3P:120kA						
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (t _A)	25ns						
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	TUV,CE,ROHS,CQC						
Weight	2P:240g,3P:360g						

Type	G2040PV/300	G2040PV/500	G2040PV/600	G2040PV/800	G2040PV/1000	G2040PV/1200	G2040PV/1500
Ordering number	2P:122120	2P:122122 3P:122132	2P:122124 3P:122134	2P:122126 3P:122136	2P:122128 3P:122138	2P:122130 3P:122140	3P:122142
Type(Remote signal monitoring)	G2040PV/300-FM	G2040PV/500-FM	G2040PV/600-FM	G2040PV/800-FM	G2040PV/1000-FM	G2040PV/1200-FM	G2040PV/1500-FM
Ordering number (Remote signal monitoring)	2P:122121	2P:122123 3P:122133	2P:122125 3P:122135	2P:122127 3P:122137	2P:122129 3P:122139	2P:122131 3P:122141	3P:122143

Type	G2040PV/300-Module	G2040PV/500-Module	G2040PV/600-Module	G2040PV/800-Module	G2040PV/1000-Module	G2040PV/1200-Module	G2040PV/1500-Module
Ordering number	122144	2P:122145 3P:122147	2P:122146 3P:122148	2P:122147 3P:122149	2P:122148 3P:122150	2P:122149 3P:122151	122150
Max. PV voltage (d.c.) (U _{cpv})	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

G2040PV-B+C/4.5 Type1+2 PV Surge Protective Devices

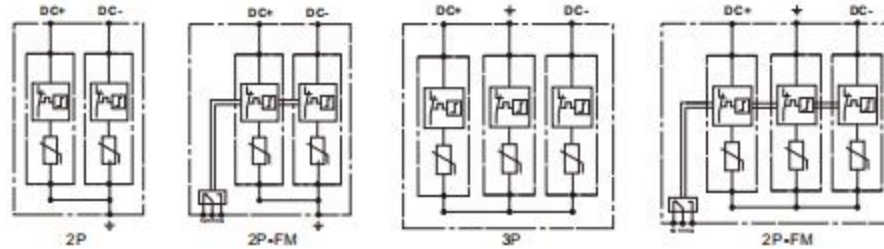
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



Type	G2040PV-B+C/4.5						
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2						
Max. PV voltage (d.c.) (Ucpv)	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	4.5kA						
Total lightning current (10/350 μs) L1N-PE (Iimp) Itotal	2P:9kA, 3P:13.5kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (tA)	25ns						
Operating temperature range (Tu)	-40 °C ... +80 °C						
Operating state / fault indication	Green: normal Red: invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE, ROHS, CQC						
Weight	2P:240g, 3P:360g						

Type	G2040PV-B+C/4.5/300	G2040PV-B+C/4.5/500	G2040PV-B+C/4.5/600	G2040PV-B+C/4.5/800	G2040PV-B+C/4.5/1000	G2040PV-B+C/4.5/1200	G2040PV-B+C/4.5/1500
Ordering number	2P:121996	2P:121998 3P:122008	2P:122000 3P:122010	2P:122002 3P:122012	2P:122004 3P:122014	2P:122006 3P:122016	3P:122018
Type(Remote signal monitoring)	G2040PV-B+C/4.5/300-FM	G2040PV-B+C/4.5/500-FM	G2040PV-B+C/4.5/600-FM	G2040PV-B+C/4.5/800-FM	G2040PV-B+C/4.5/1000-FM	G2040PV-B+C/4.5/1200-FM	G2040PV-B+C/4.5/1500-FM
Ordering number (Remote signal monitoring)	2P:121997	2P:121999 3P:122009	2P:122001 3P:122011	2P:122003 3P:122013	2P:122005 3P:122015	2P:122007 3P:122017	3P:122019

Type	G2040PV-B+C/4.5/300	G2040PV-B+C/4.5/500	G2040PV-B+C/4.5/600	G2040PV-B+C/4.5/800	G2040PV-B+C/4.5/1000	G2040PV-B+C/4.5/1200	G2040PV-B+C/4.5/1500
Ordering number	122020	2P:122021 3P:124457	2P:122022 3P:124458	2P:122023 3P:124459	2P:122024 3P:124460	2P:122025 3P:124461	122026
Max. PV voltage (d.c.) (Ucpv)	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	4.5kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

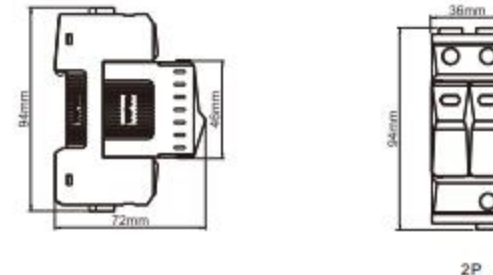


G2040PV-B+C/4.5 Type1+2 PV Surge Protective Devices

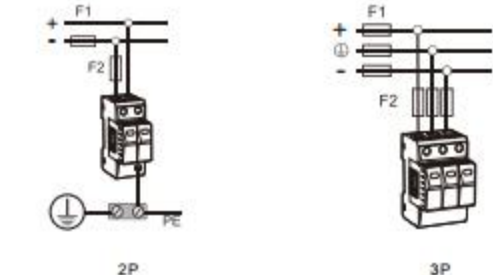
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



Label customization



We can also package your products, including product inner packaging, and labels outer packaging.

Your LOGO
Your Type
Your Parameter

Packaging customization

Optional appearance

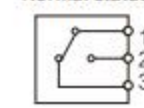


For more appearance, please consult the sales staff.

Free choice of color matching: Red Green Black Yellow Blue Gray White Orange

Remote signal terminal

Normal status



Alarm status



G2040PV-B+C/6.5 Type1+2 PV Surge Protective Devices

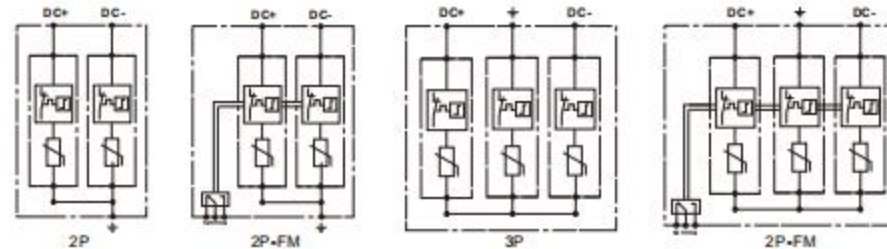
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



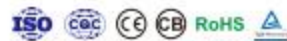
Type	G2040PV-B+C/6.5						
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II/T1+T2						
Max. PV voltage (d.c.) (Ucpv)	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	6.5kA						
Total lightning current (10/350 μs) L1N→PE (Iimp) total	2P:13kA, 3P:19.5kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (tA)	25ns						
Operating temperature range (Tu)	-40 °C ... +80 °C						
Operating state / fault indication	Green: normal Red: invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE, ROHS, CQC						
Weight	2P:240g, 3P:360g						

Type	G2040PV-B+C/6.5/300	G2040PV-B+C/6.5/500	G2040PV-B+C/6.5/600	G2040PV-B+C/6.5/800	G2040PV-B+C/6.5/1000	G2040PV-B+C/6.5/1200	G2040PV-B+C/6.5/1500
Ordering number	2P:122027	2P:122029 3P:122039	2P:122031 3P:122041	2P:122033 3P:122043	2P:122035 3P:122045	2P:122037 3P:122047	3P:122049
Type(Remote signal monitoring)	G2040PV-B+C/6.5/300-FM	G2040PV-B+C/6.5/500-FM	G2040PV-B+C/6.5/600-FM	G2040PV-B+C/6.5/800-FM	G2040PV-B+C/6.5/1000-FM	G2040PV-B+C/6.5/1200-FM	G2040PV-B+C/6.5/1500-FM
Ordering number (Remote signal monitoring)	2P:122028	2P:122030 3P:122040	2P:122032 3P:122042	2P:122034 3P:122044	2P:122036 3P:122046	2P:122038 3P:122048	3P:122050

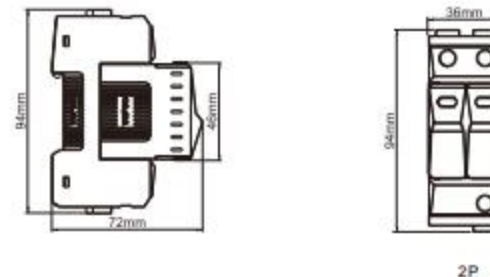
Type	G2040PV-B+C/6.5/300	G2040PV-B+C/6.5/500	G2040PV-B+C/6.5/600	G2040PV-B+C/6.5/800	G2040PV-B+C/6.5/1000	G2040PV-B+C/6.5/1200	G2040PV-B+C/6.5/1500
Ordering number	122051	2P:122052 3P:124462	2P:122053 3P:124463	2P:122054 3P:124464	2P:122055 3P:124465	2P:122056 3P:124466	122057
Max. PV voltage (d.c.) (Ucpv)	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	6.5kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

G2040PV-B+C/6.5 Type1+2 PV Surge Protective Devices

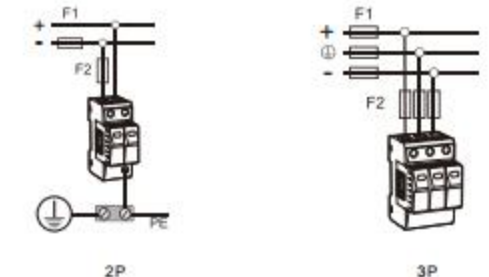
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



YOUR LOGO

Surge Protective Device

G2040PV/1000-2P

Code:122778

Uc:280V Imax:40kA

X2 pcs

ISO CQC CE CB RoHS

YOUR COMPANY NAME

Label customization



YOUR LOGO
Your Type
Your Parameter

Packaging customization

We can also package your products, including product inner packaging, and labels outer packaging.

Optional appearance



For more appearance, please consult the sales staff.

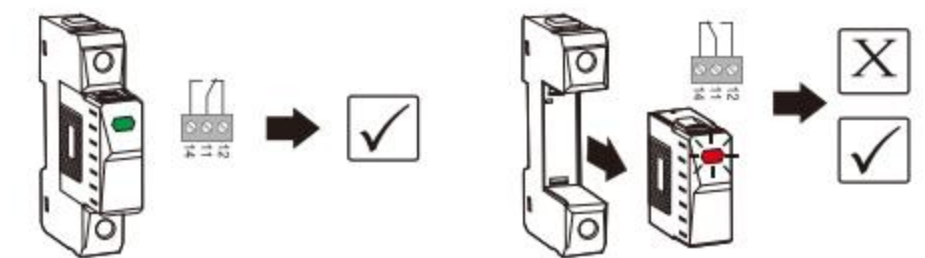
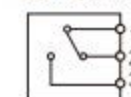
Free choice of color matching: Red Green Black Yellow Blue Gray White Orange

Remote signal terminal

Normal status



Alarm status



G2040PV-B+C/7 Type1+2 PV Surge Protective Devices

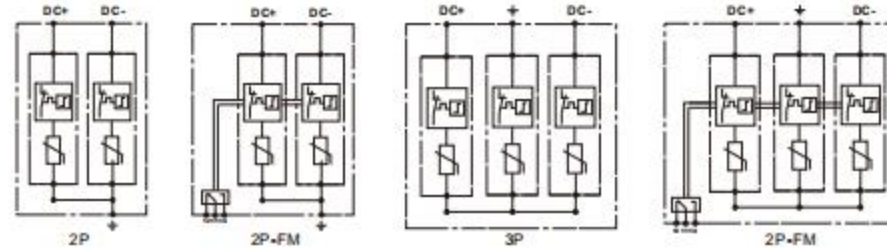
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



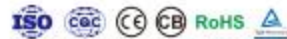
Type	G2040PV-B+C/7						
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2						
Max. PV voltage (d.c.) (Ucpv)	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	7kA						
Total lightning current (10/350 μs) L1N-PE (Iimp) total	2P: 14kA, 3P: 21kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (tA)	25ns						
Operating temperature range (Tu)	-40 °C ... +80 °C						
Operating state / fault indication	Green: normal Red: invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE, ROHS, CQC						
Weight	2P: 240g, 3P: 360g						

Type	G2040PV-B+C/7/30	G2040PV-B+C/7/50	G2040PV-B+C/7/60	G2040PV-B+C/7/80	G2040PV-B+C/7/100	G2040PV-B+C/7/120	G2040PV-B+C/7/150
Ordering number	2P: 122058	2P: 122060 3P: 122070	2P: 122062 3P: 122072	2P: 122064 3P: 122074	2P: 122066 3P: 122076	2P: 122068 3P: 122078	3P: 122080
Type (Remote signal monitoring)	G2040PV-B+C/7/30-FM	G2040PV-B+C/7/50-FM	G2040PV-B+C/7/60-FM	G2040PV-B+C/7/80-FM	G2040PV-B+C/7/100-FM	G2040PV-B+C/7/120-FM	G2040PV-B+C/7/150-FM
Ordering number (Remote signal monitoring)	2P: 122059	2P: 122061 3P: 122071	2P: 122063 3P: 122073	2P: 122065 3P: 122075	2P: 122067 3P: 122077	2P: 122069 3P: 122079	3P: 122081

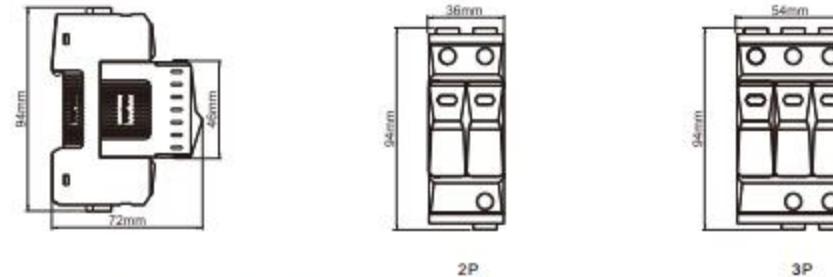
Type	G2040PV-B+C/7/30 Module	G2040PV-B+C/7/50 Module	G2040PV-B+C/7/60 Module	G2040PV-B+C/7/80 Module	G2040PV-B+C/7/100 Module	G2040PV-B+C/7/120 Module	G2040PV-B+C/7/150 Module
Ordering number	122082	2P: 122083 3P: 124467	2P: 122084 3P: 124468	2P: 122085 3P: 124469	2P: 122086 3P: 124470	2P: 122087 3P: 124471	122088
Max. PV voltage (d.c.) (Ucpv)	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (In)	20kA						
Max. discharge current (8/20 μs) (Imax)	40kA						
Lightning impulse current (10/350 μs) (Iimp)	7kA						
Voltage protection level (Up)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

G2040PV-B+C/7 Type1+2 PV Surge Protective Devices

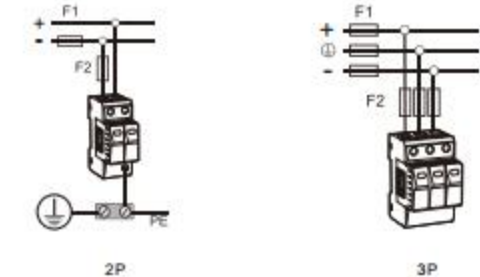
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



Label customization



Packaging customization

We can also package your products, including product inner packaging, and labels outer packaging.

Optional appearance



For more appearance, please consult the sales staff.

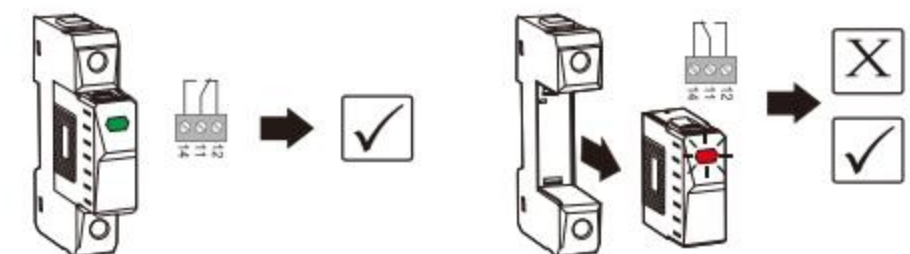
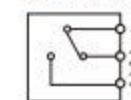
Free choice of color matching: Red Green Black Yellow Blue Gray White Orange

Remote signal terminal

Normal status



Alarm status



G2040PV-B+C/12.5 Type1+2 PV Surge Protective Devices

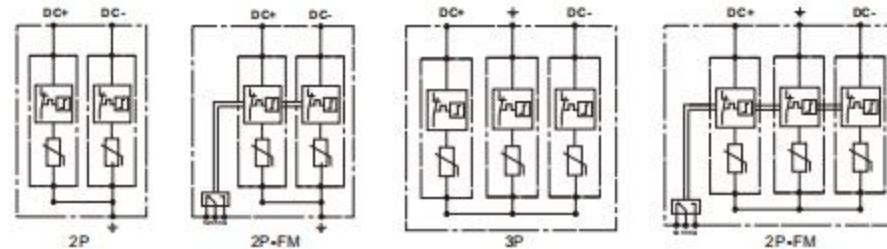
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



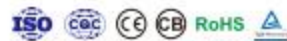
Type	G2040PV-B+C/12.5						
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Lightning impulse current (10/350 μs) (I _{imp})	12.5kA						
Total lightning current (10/350 μs) L1N→PE (I _{imp}) total	2P:25kA, 3P:37.5kA						
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (t _A)	25ns						
Operating temperature range (T _u)	-40 °C ... +80 °C						
Operating state / fault indication	Green: normal Red: invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	CE, ROHS, CQC						
Weight	2P:240g, 3P:360g						

Type	G2040PV-B+C/12.5/300	G2040PV-B+C/12.5/500	G2040PV-B+C/12.5/600	G2040PV-B+C/12.5/800	G2040PV-B+C/12.5/1000	G2040PV-B+C/12.5/1200	G2040PV-B+C/12.5/1500
Ordering number	2P:122089	2P:122091 3P:122101	2P:122093 3P:122103	2P:122095 3P:122105	2P:122097 3P:122107	2P:122099 3P:122109	3P:122111
Type(Remote signal monitoring)	G2040PV-B+C/12.5/300-FM	G2040PV-B+C/12.5/500-FM	G2040PV-B+C/12.5/600-FM	G2040PV-B+C/12.5/800-FM	G2040PV-B+C/12.5/1000-FM	G2040PV-B+C/12.5/1200-FM	G2040PV-B+C/12.5/1500-FM
Ordering number (Remote signal monitoring)	2P:122090	2P:122092 3P:122102	2P:122094 3P:122104	2P:122096 3P:122106	2P:122098 3P:122108	2P:122100 3P:122110	3P:122112

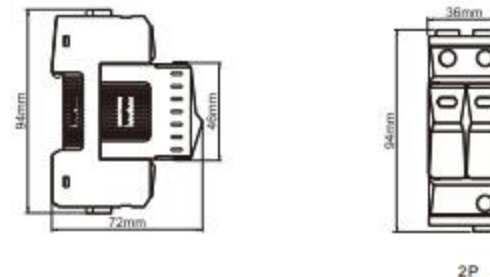
Type	G2040PV-B+C/12.5/300	G2040PV-B+C/12.5/500	G2040PV-B+C/12.5/600	G2040PV-B+C/12.5/800	G2040PV-B+C/12.5/1000	G2040PV-B+C/12.5/1200	G2040PV-B+C/12.5/1500
Ordering number	122113	2P:122114 3P:124472	2P:122115 3P:124473	2P:122116 3P:124474	2P:122117 3P:124475	2P:122118 3P:124476	122119
Max. PV voltage (d.c.) (U _{cpv})	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Lightning impulse current (10/350 μs) (I _{imp})	12.5kA						
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

G2040PV-B+C/12.5 Type1+2 PV Surge Protective Devices

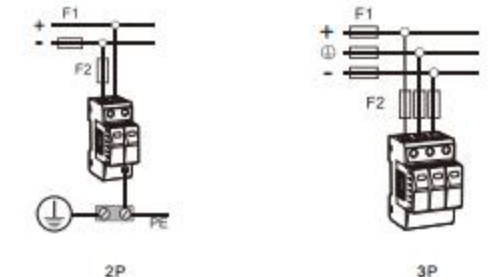
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



Label customization



We can also package your products, including product inner packaging, and labels outer packaging.

Your LOGO
Your Type
Your Parameter

Packaging customization

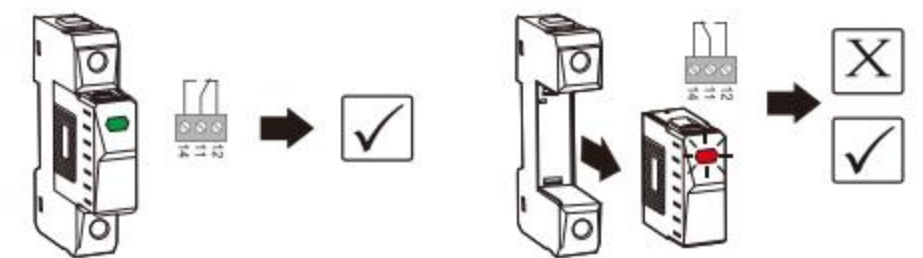
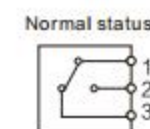
Optional appearance



For more appearance, please consult the sales staff.

Free choice of color matching: Red Green Black Yellow Blue Gray White Orange

Remote signal terminal



G2015PV-B+C Type1+2 PV Surge Protective Devices

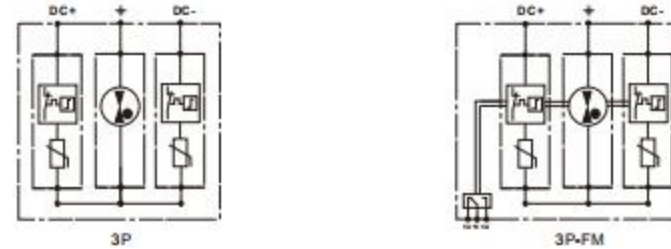
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Basic circuit diagram



Type	G2015PV-B+C/(4.5/6.5/7/12.5)					
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2					
Max. PV voltage (d.c.) (Ucpv)	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (DC+, DC- → PE/DC+ → DC-) (In)	15kA					
Max. discharge current (8/20 μs) (DC+, DC- → PE/DC+ → DC-) (Imax)	40kA					
Lightning impulse current (10/350 μs) (DC+, DC- → PE/DC+ → DC-) (Iimp)	4.5/6.5/7/12.5kA					
Total lightning current (10/350 μs) L1/N → PE (Iimp) Itotal	3P: 13.5/19.5/21/37.5kA					
Voltage protection level (DC+, DC- → PE/DC+ → DC-) (Up)	≤2.5/2.5kV	≤2.5/3.4kV	≤3.2/3.6kV	≤4.0/4.5kV	≤4.0/4.5kV	≤4.5/5.4kV
Response time (DC+, DC- /PE) (tA)	25/100ns					
Operating temperature range (Tu)	-40 °C ... +80 °C					
Operating state / fault indication	Green: normal Red: invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					
Approvals	CE, ROHS, CQC					
Weight	2P: 240g, 3P: 360g					

Type	G2015PV-B+C/500-3P	G2015PV-B+C/600-3P	G2015PV-B+C/800-3P	G2015PV-B+C/1000-3P	G2015PV-B+C/1200-3P	G2015PV-B+C/1500-3P
Ordering number	4.5kA: 122151 6.5kA: 122175 7kA: 122199 12.5kA: 122223	4.5kA: 122153 6.5kA: 122177 7kA: 122201 12.5kA: 122225	4.5kA: 122155 6.5kA: 122179 7kA: 122203 12.5kA: 122227	4.5kA: 122157 6.5kA: 122181 7kA: 122205 12.5kA: 122229	4.5kA: 122159 6.5kA: 122183 7kA: 122207 12.5kA: 122231	4.5kA: 122161 6.5kA: 122185 7kA: 122209 12.5kA: 122233
Type (Remote signal monitoring)	G2015PV-B+C/500-3P-FM	G2015PV-B+C/600-3P-FM	G2015PV-B+C/800-3P-FM	G2015PV-B+C/1000-3P-FM	G2015PV-B+C/1200-3P-FM	G2015PV-B+C/1500-3P-FM
Ordering number (Remote signal monitoring)	4.5kA: 122152 6.5kA: 122176 7kA: 122200 12.5kA: 122224	4.5kA: 122154 6.5kA: 122178 7kA: 122202 12.5kA: 122226	4.5kA: 122156 6.5kA: 122180 7kA: 122204 12.5kA: 122228	4.5kA: 122158 6.5kA: 122182 7kA: 122206 12.5kA: 122230	4.5kA: 122160 6.5kA: 122184 7kA: 122208 12.5kA: 122232	4.5kA: 122162 6.5kA: 122186 7kA: 122210 12.5kA: 122234

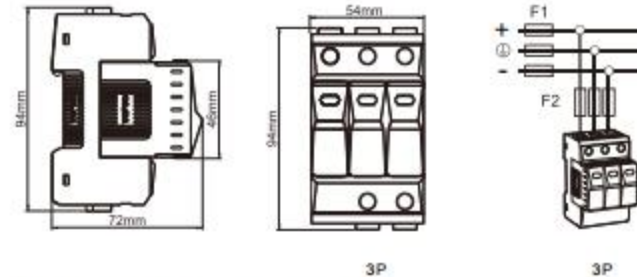
Type	G2015PV-B+C/500-Module	G2015PV-B+C/600-Module	G2015PV-B+C/800-Module	G2015PV-B+C/1000-Module	G2015PV-B+C/1200-Module	G2015PV-B+C/1500-Module
Ordering number	4.5kA: 122163, 6.5kA: 122187 7kA: 122211, 12.5kA: 122235	4.5kA: 122165, 6.5kA: 122189 7kA: 122213, 12.5kA: 122237	4.5kA: 122167, 6.5kA: 122191 7kA: 122215, 12.5kA: 122239	4.5kA: 122169, 6.5kA: 122193 7kA: 122217, 12.5kA: 122241	4.5kA: 122171, 6.5kA: 122195 7kA: 122219, 12.5kA: 122243	4.5kA: 122173, 6.5kA: 122197 7kA: 122221, 12.5kA: 122245
Max. PV voltage (d.c.) (Ucpv)	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (In)	15kA					
Max. discharge current (8/20 μs) (Imax)	40kA					
Lightning impulse current (10/350 μs) (Iimp)	4.5/6.5/7/12.5kA					
Voltage protection level (Up)	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

G2015PV-B+C Type1+2 PV Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
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Dimension drawing



GDT Module Order code

Type	G2015PV-B+C/500-Module	G2015PV-B+C/600-Module	G2015PV-B+C/800-Module	G2015PV-B+C/1000-Module	G2015PV-B+C/1200-Module	G2015PV-B+C/1500-Module
Ordering number	4.5kA: 122164 6.5kA: 122188 7kA: 122212 12.5kA: 122236	4.5kA: 122166 6.5kA: 122190 7kA: 122214 12.5kA: 122238	4.5kA: 122168 6.5kA: 122192 7kA: 122216 12.5kA: 122240	4.5kA: 122170 6.5kA: 122194 7kA: 122218 12.5kA: 122242	4.5kA: 122172 6.5kA: 122196 7kA: 122220 12.5kA: 122244	4.5kA: 122174 6.5kA: 122198 7kA: 122222 12.5kA: 122246
Max. PV voltage (d.c.) (Ucpv)	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (In)	15kA					
Max. discharge current (8/20 μs) (Imax)	40kA					
Lightning impulse current (10/350 μs) (Iimp)	12.5kA					
Voltage protection level (Up)	≤2.5kV	≤3.4kV	≤3.6kV	≤4.5kV	≤4.5kV	≤5.4kV

OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



YOUR LOGO

Surge Protective Device

G2040PV/1000-2P

Code: 122778

Uc: 280V Imax: 40kA

X2 pcs

ISO CQC CE CB RoHS

YOUR COMPANY NAME

Label customization



We can also package your products, including product inner packaging, and labels outer packaging.

YOUR LOGO
Your Type
Your Parameter

Packaging customization

Optional appearance



For more appearance, please consult the sales staff.

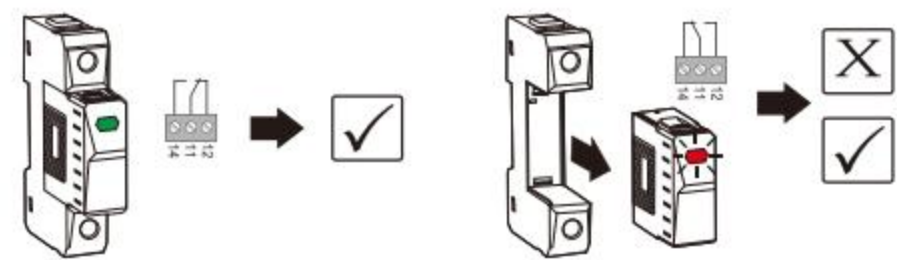
Free choice of color matching: Red Green Black Yellow Blue Gray White Orange

Remote signal terminal

Normal status

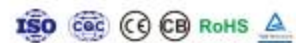


Alarm status



G20-B+C/7-15/30 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G20-B+C/7-15-1+NPE	G20-B+C/7-15-1+NPE	G20-B+C/7-30-1+NPE	G20-B+C/7-30-1+NPE
SPD according to EN 61643-31 / IEC 61643-31	Type 1+2/Class I + II /T1+T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	280/320/385/440/600V		280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	30/25kA		30/30kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	50/50kA		50/60kA	
Lightning impulse current (10/350 μs) [L-PE]/[N-PE] (Iimp)	7/15kA		7/30kA	
Voltage protection level [L-PE] (Up)	≤1.4/1.6/1.8/2.0/2.5kV		≤1.4/1.6/1.8/2.0/2.5kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:240g,4P:480g			

Type	G20-B+C/7-15-1+NPE	G20-B+C/7-15-3+NPE	G20-B+C/7-30-1+NPE	G20-B+C/7-30-3+NPE
Ordering number	280V:122247 320V:124482 385V:122251 440V:124484 600V:124486	280V:122249 320V:124483 385V:122253 440V:124485 600V:124487	280V:122255 320V:124494 385V:122259 440V:124496 600V:124498	280V:122257 320V:124495 385V:122261 440V:124497 600V:124499
Type(Remote signal monitoring)	G20-B+C/7-15-1+NPE-FM	G20-B+C/7-15-3+NPE-FM	G20-B+C/7-30-1+NPE-FM	G20-B+C/7-30-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:122248 320V:124488 385V:122252 440V:124490 600V:124492	280V:122250 320V:124489 385V:122254 440V:124491 600V:124493	280V:122256 320V:124500 385V:122260 440V:124502 600V:124504	280V:122258 320V:124501 385V:122262 440V:124503 600V:124505

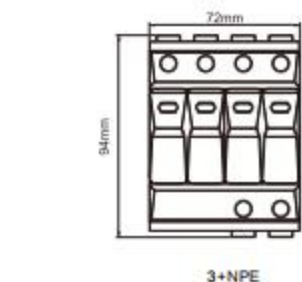
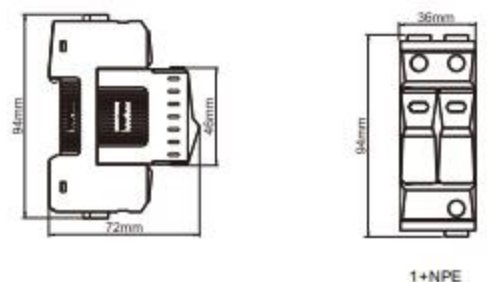
Type	G20-B+C/7/280 Module	G20-B+C/7/320 Module	G20-B+C/7/385 Module	G20-B+C/7/440 Module	G20-B+C/7/600 Module	G20-B+C/15-NPE Module	G20-B+C/30-NPE Module
Ordering number	121774	121775	121776	121777	121778	124506	124507
Max. PV voltage (d.c.) (Upv)	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	30kA					25kA	30kA
Max. discharge current (8/20 μs) (Imax)	50kA					50kA	60kA
Lightning impulse current (10/350 μs) (Iimp)	7kA					15kA	30kA
Voltage protection level (Up)	≤1.4kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV	≤1.5kV

G20-B+C/7-15/30 Type1+2 Surge Protective Devices

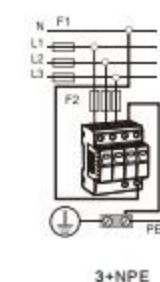
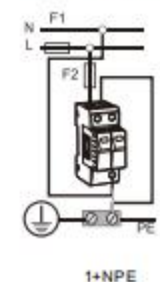
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization

YOUR LOGO
Surge Protective Device
G2040PV1000-2P
Code:122778
Uc:280V Imax:40kA
X2 pcs T2

ISO CQC CE CB RoHS

YOUR COMPANY NAME

Label customization

LOGO

YOUR LOGO

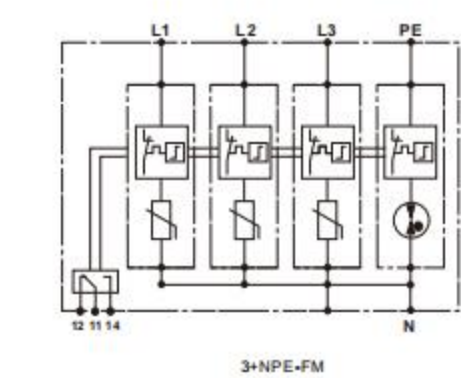
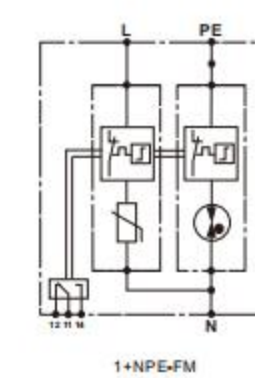
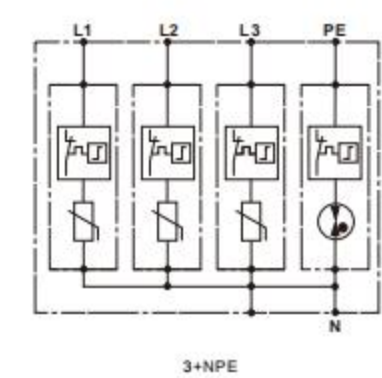
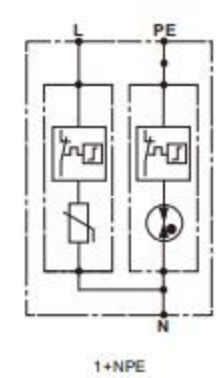
YOUR LOGO

We can also package your products, including product inner packaging, and labels outer packaging.

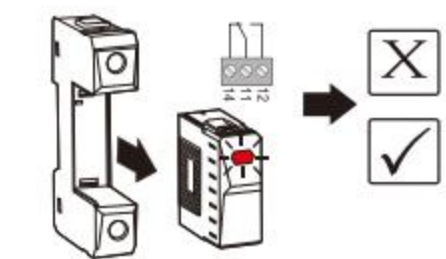
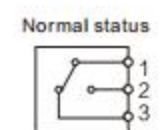
Your LOGO
Your Type
Your Parameter

Packaging customization

Basic circuit diagram



Remote signal terminal



G30-B+C/12.5-25/50 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G30-B+C/12.5-25-1+NPE	G30-B+C/12.5-25-3+NPE	G30-B+C/12.5-50-1+NPE	G30-B+C/12.5-50-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	280/320/385/440/600V		280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	30/25kA		30/50kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	60/50kA		60/100kA	
Lightning impulse current (10/350 μs) [L-PE]/[N-PE] (Iimp)	12.5/25kA		12.5/50kA	
Voltage protection level [L-PE] (Up)	≤1.5/1.6/1.8/2.0/2.5kV		≤1.5/1.6/1.8/2.0/2.5kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green: normal Red: invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE, ROHS, CQC			
Weight	2P: 260g, 4P: 520g			

Type	G30-B+C/12.5-25-1+NPE	G30-B+C/12.5-25-3+NPE	G30-B+C/12.5-50-1+NPE	G30-B+C/12.5-50-3+NPE
Ordering number	280V:122263 320V:124508 385V:122267 440V:124510 600V:124512	280V:122265 320V:124509 385V:122269 440V:124511 600V:124513	280V:122271 320V:124520 385V:122275 440V:124522 600V:124524	280V:122273 320V:124521 385V:122277 440V:124523 600V:124525
Type(Remote signal monitoring)	G30-B+C/12.5-25-1+NPE-FM	G30-B+C/12.5-25-3+NPE-FM	G30-B+C/12.5-50-1+NPE-FM	G30-B+C/12.5-50-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:122264 320V:124514 385V:122268 440V:124516 600V:124518	280V:122266 320V:124515 385V:122270 440V:124517 600V:124519	280V:122272 320V:124526 385V:122276 440V:124528 600V:124530	280V:122274 320V:124527 385V:122278 440V:124529 600V:124531

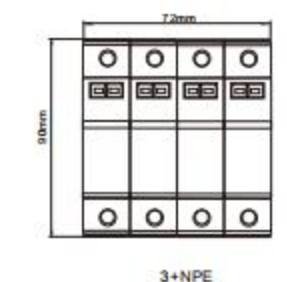
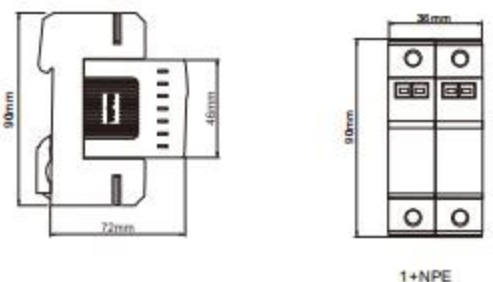
Type	G30-B+C/12.5/280 Module	G30-B+C/12.5/320 Module	G30-B+C/12.5/385 Module	G30-B+C/12.5/440 Module	G30-B+C/12.5/600 Module	G30-B+C/25-NPE Module	G30-B+C/50-NPE Module
Ordering number	121828	121829	121830	121831	121832	124532	122279
Max. PV voltage (d.c.) (U _{ov})	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	30kA					25kA	50kA
Max. discharge current (8/20 μs) (Imax)	60kA					50kA	100kA
Lightning impulse current (10/350 μs) (Iimp)	12.5kA					25kA	50kA
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV	≤1.5kV

G30-B+C/12.5-25/50 Type1+2 Surge Protective Devices

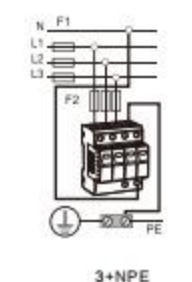
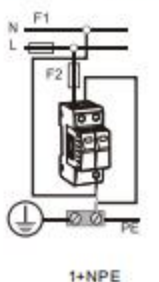
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- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



Label customization



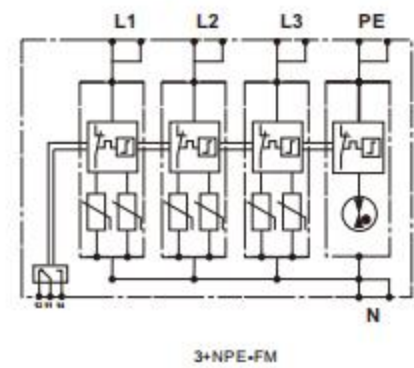
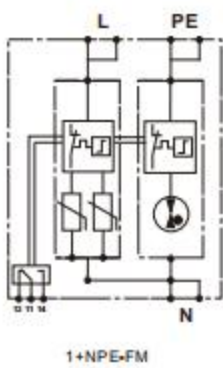
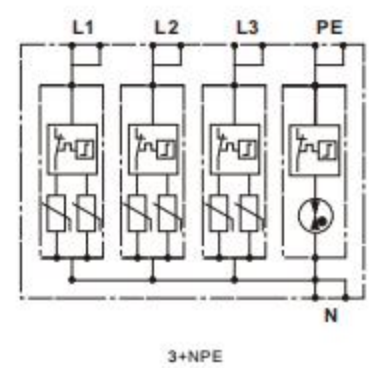
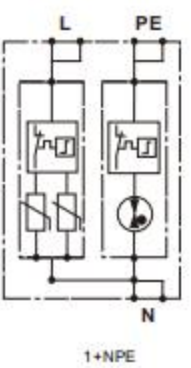
We can also package your products, including product inner packaging, and labels outer packaging.



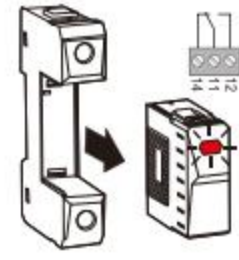
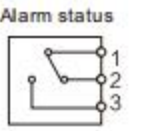
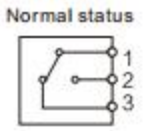
Your LOGO
Your Type
Your Parameter

Packaging customization

Basic circuit diagram



Remote signal terminal



G30-B+C/25-50/100 Type1+2 Surge Protective Devices

- Innovative tripping and breaking technology
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- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G30-B+C/25-50-1+NPE	G30-B+C/25-50-3+NPE	G30-B+C/25-100-1+NPE	G30-B+C/25-100-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 1+2/Class I + II /T1+T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	280/320/385/440/600V		280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	25/50kA		25/100kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	50/100kA		50/160kA	
Lightning impulse current (10/350 μs) [L-PE]/[N-PE] (Iimp)	25/50kA		25/100kA	
Voltage protection level [L-PE] (Up)	≤1.5/1.6/1.8/2.0/2.5kV		≤1.5/1.6/1.8/2.0/2.5kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:440g,4P:880g			

Type	G30-B+C/25-50-1+NPE	G30-B+C/25-50-3+NPE	G30-B+C/25-100-1+NPE	G30-B+C/25-100-3+NPE
Ordering number	280V:122280 320V:124533 385V:122284 440V:124535 600V:124537	280V:122282 320V:124534 385V:122286 440V:124536 600V:124538	280V:122288 320V:124545 385V:122292 440V:124547 600V:124549	280V:122290 320V:124546 385V:122294 440V:124548 600V:124550
Type(Remote signal monitoring)	G30-B+C/25-50-1+NPE-FM	G30-B+C/25-50-3+NPE-FM	G30-B+C/25-50-1+NPE-FM	G30-B+C/25-100-3+NPE-FM
Ordering number (Remote signal monitoring)	280V:122281 320V:124539 385V:122285 440V:124541 600V:124543	280V:122283 320V:124540 385V:122287 440V:124542 600V:124544	280V:122289 320V:124551 385V:122293 440V:124553 600V:124555	280V:122291 320V:124552 385V:122295 440V:124554 600V:124556

Type	G30-B+C/25/280 Module	G30-B+C/25/280 Module	G30-B+C/25/280 Module	G30-B+C/25/280 Module	G30-B+C/25/280 Module	G30-B+C/50-NPE Module	G30-B+C/100-NPE Module
Ordering number	121990	121991	121992	121993	121994	124557	122296
Max. PV voltage (d.c.) (U _{ov})	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	25kA					50kA	100kA
Max. discharge current (8/20 μs) (Imax)	50kA					100kA	160kA
Lightning impulse current (10/350 μs) (Iimp)	25kA					50kA	100kA
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV	≤1.5kV

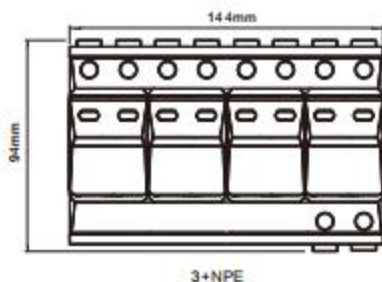
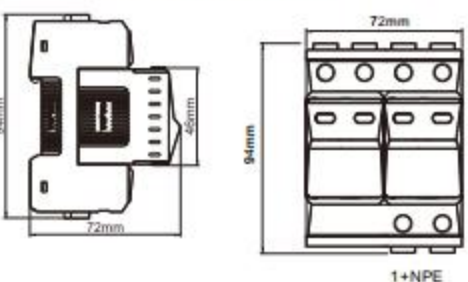


G30-B+C/25-50/100 Type1+2 Surge Protective Devices

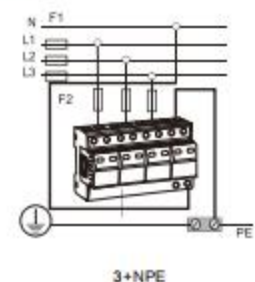
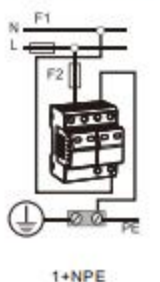
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing



Standard wiring



OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



YOUR LOGO
Surge Protective Device
G2040PV/1000-2P
Code:122778
Uc:280V Imax:40kA
X2 pcs T2
ISO CQC CE CB RoHS
YOUR COMPANY NAME

Label customization



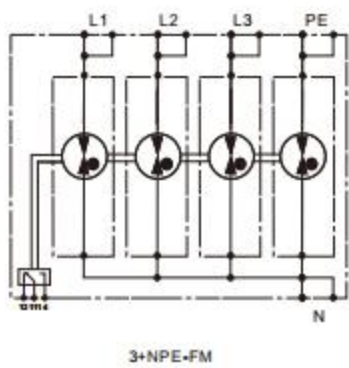
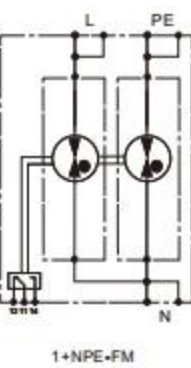
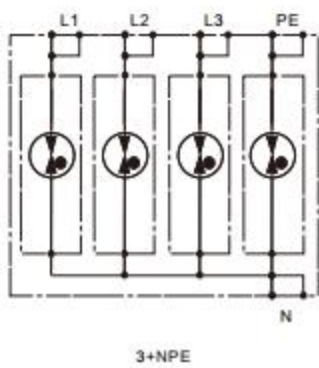
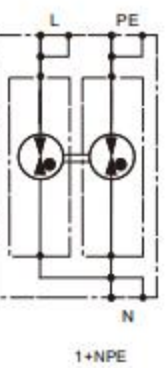
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Your LOGO
Your Type
Your Parameter

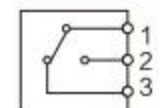
Packaging customization

Basic circuit diagram

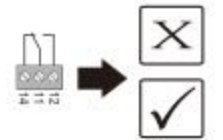


Remote signal terminal

Normal status



Alarm status



G2040MT/40-80/120 Type 2 Surge Protective Devices

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2040MT/40-80-1+NPE	G2040MT/40-80-3+NPE	G2040MT/40-120-1+NPE	G2040MT/40-120-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	150/280/320/385/440/600V		150/280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	20/40kA		20/80kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	40/80kA		40/120kA	
Voltage protection level [L-PE] (Up)	≤1.0/1.3/1.4/1.6/2.2/2.5kV		≤1.0/1.3/1.4/1.6/2.2/2.5kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:220g,4P:440g			

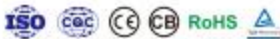
Type	G2040MT/40-120-1+NPE	G2040MT/40-120-1+NPE	G2040MT/40-80-1+NPE	G2040MT/40-80-3+NPE
Ordering number	150V:124558 280V:122305 320V:124560 385V:122309 440V:124562 600V:124564	150V:124559 280V:122307 320V:124561 385V:122311 440V:124563 600V:124565	150V:124574 280V:122313 320V:124576 385V:122317 440V:124578 600V:124580	150V:124575 280V:122315 320V:124577 385V:122319 440V:124579 600V:124581
Type(Remote signal monitoring)	G2040MT/40-120-1+NPE-FM	G2040MT/40-120-1+NPE-FM	G2040MT/40-80-1+NPE-FM	G2040MT/40-80-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:124566 280V:122306 320V:124568 385V:122310 440V:124570 600V:124572	150V:124567 280V:122308 320V:124569 385V:122312 440V:124571 600V:124573	150V:124582 280V:122314 320V:124584 385V:122318 440V:124586 600V:124588	150V:124583 280V:122316 320V:124585 385V:122320 440V:124587 600V:124589

Type	G2040MT/150 Module	G2040MT/280 Module	G2040MT/320 Module	G2040MT/385 Module	G2040MT/440 Module	G2040MT/600 Module	G2040MT-NPE Module	G20120MT-NPE Module
Ordering number	120813	120814	120815	120816	120817	120818	121260	124590
Max. PV voltage (Lc) (Ucpv)	150V	280V	320V	385V	440V	600V	255V	25.5V
Nominal discharge current (8/20 μs) (In)	30kA						40kA	80kA
Max. discharge current (8/20 μs) (Imax)	50kA						80kA	120kA
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV	≤1.5kV

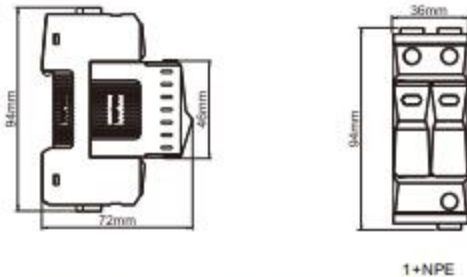


G2040MT/40-80/120 Type 2 Surge Protective Devices

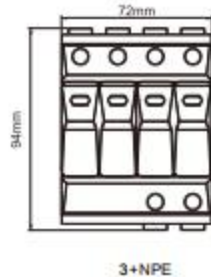
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing

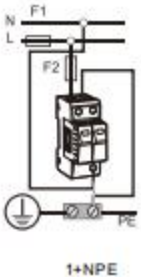


1+NPE

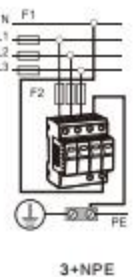


3+NPE

Standard wiring



1+NPE



3+NPE

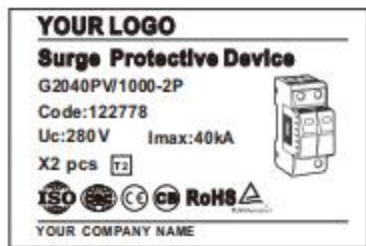
OEM ODM Service



After choosing your product appearance, we can design your exclusive printing for you

Your LOGO
Your Type
Your Parameter

Parameter customization



Label customization



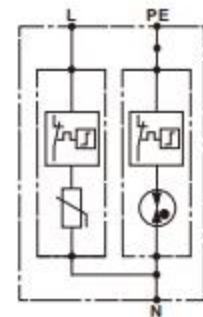
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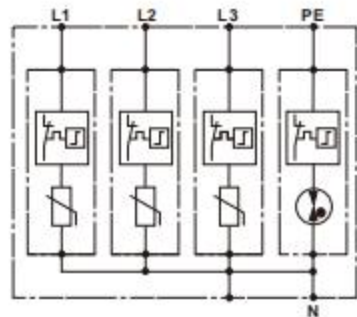
Your LOGO
Your Type
Your Parameter

Packaging customization

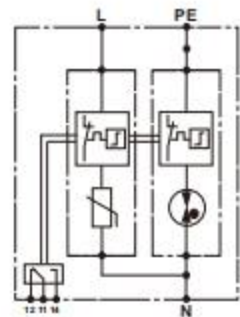
Basic circuit diagram



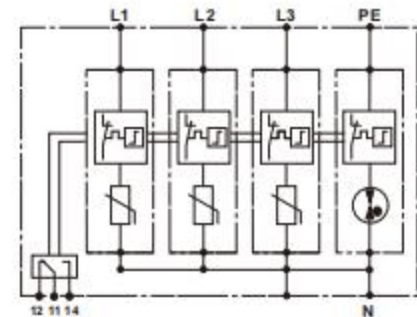
1+NPE



3+NPE



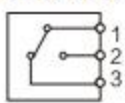
1+NPE-FM



3+NPE-FM

Remote signal terminal

Normal status



Alarm status



G2040MT/40-60 Type 2 Surge Protective Devices
G2020MT/20-40 Type 2 Surge Protective Devices

- Innovative tripping and breaking technology
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2040MT/40-60-1+NPE	G2040MT/40-60-3+NPE	G2020MT/20-40-1+NPE	G2020MT/20-40-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	150/280/320/385/440/600V		150/280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	20/30kA		10/20kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	40/60kA		20/40kA	
Voltage protection level [L-PE] (Up)	≤1.0/1.3/1.4/1.6/2.2/2.5kV		≤0.8/1.0/1.2/1.45/1.6/2.5kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:200g,4P:400g			

Type	G2040MT/40-60-1+NPE	G2040MT/40-60-3+NPE	G2020MT/20-40-1+NPE	G2020MT/20-40-3+NPE
Ordering number	150V: 124591 280V: 122321 320V: 124593 385V: 122325 440V: 124595 600V: 124597	150V: 124592 280V: 122323 320V: 124594 385V: 122327 440V: 124596 600V: 124598	150V: 124607 280V: 122329 320V: 124609 385V: 122333 440V: 124611 600V: 124613	150V: 124608 280V: 122331 320V: 124610 385V: 122335 440V: 124612 600V: 124614
Type (Remote signal monitoring)	G2040MT/40-60-1+NPE-FM	G2040MT/40-60-3+NPE-FM	G2020MT/20-40-1+NPE-FM	G2020MT/20-40-3+NPE-FM
Ordering number (Remote signal monitoring)	150V: 124599 280V: 122322 320V: 124601 385V: 122326 440V: 124603 600V: 124605	150V: 124600 280V: 122324 320V: 124602 385V: 122328 440V: 124604 600V: 124606	150V: 124615 280V: 122330 320V: 124617 385V: 122334 440V: 124619 600V: 124621	150V: 124616 280V: 122332 320V: 124618 385V: 122336 440V: 124620 600V: 124622

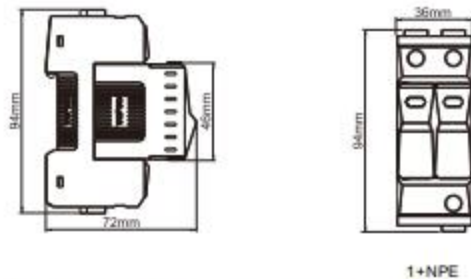
Type	G2040MT/150 Module	G2040MT/280 Module	G2040MT/320 Module	G2040MT/385 Module	G2040MT/440 Module	G2040MT/600 Module	G2020MT-NPE Module	G2040MT-NPE Module
Ordering number	120813	120814	120815	120816	120817	120818	121071	120819
Max. PV voltage (Lc) (Ucpv)	150V	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	20kA						30kA	20kA
Max. discharge current (8/20 μs) (Imax)	40kA						60kA	40kA
Voltage protection level (Up)	≤1.0kV	≤1.3kV	≤1.4kV	≤1.6kV	≤2.2kV	≤2.5kV	≤1.5kV	≤1.5kV

G2040MT/40-60 Type 2 Surge Protective Devices
G2020MT/20-40 Type 2 Surge Protective Devices

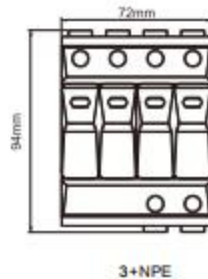
- Innovative tripping and breaking technology
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing

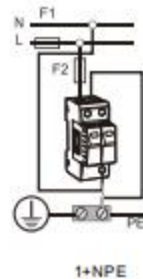


1+NPE

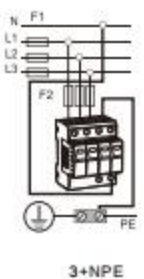


3+NPE

Standard wiring



1+NPE



3+NPE

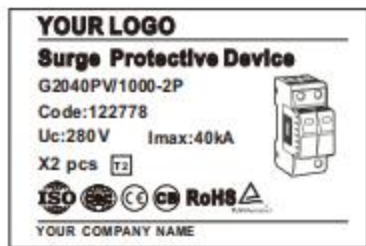
OEM ODM Service



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Your Type
Your Parameter

Parameter customization



Label customization



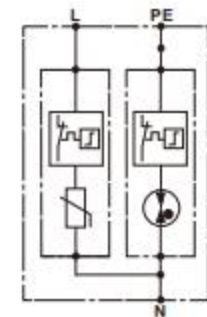
We can also package your products, including product inner packaging, and labels outer packaging.



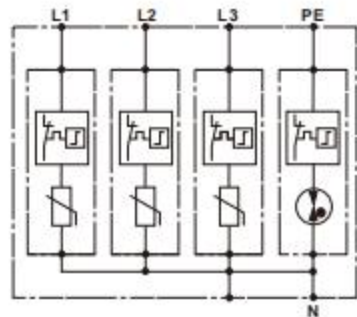
Your LOGO
Your Type
Your Parameter

Packaging customization

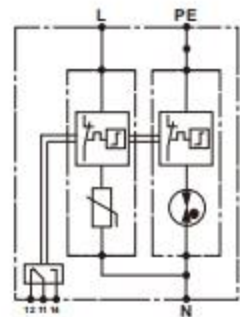
Basic circuit diagram



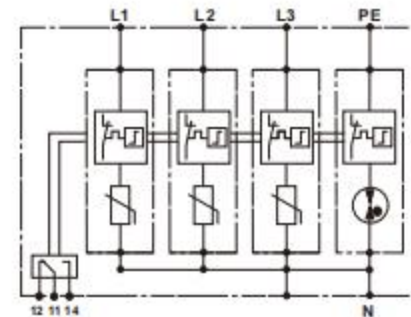
1+NPE



3+NPE



1+NPE-FM



3+NPE-FM

Remote signal terminal

Normal status



Alarm status



G2015DZ/15-40 Type 2 Surge Protective Devices
G2010MT/10-20 Type 2 Surge Protective Devices

- Innovative tripping and breaking technology
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2015DZ/15-40-1+NPE	G2015DZ/15-40-3+NPE	G2010MT/10-20-1+NPE	G2010MT/10-20-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	150/280/320/385/440/600V		150/280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	5/20kA		5/10kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	15/40kA		10/20kA	
Voltage protection level [L-PE] (Up)	≤0.7/0.8/1.0/1.2/1.6/2.0kV		≤0.7/0.8/1.0/1.2/1.6/2.0kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:180g,4P:360g			

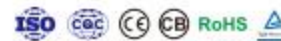
Type	G2015DZ/15-40-1+NPE	G2015DZ/15-40-3+NPE	G2010MT/10-20-1+NPE	G2010MT/10-20-3+NPE
Ordering number	150V:124623 280V:122337 320V:124625 385V:122341 440V:124627 600V:124629	150V:124624 280V:122339 320V:124626 385V:122343 440V:124628 600V:124630	150V:124639 280V:122345 320V:124641 385V:122349 440V:124643 600V:124645	150V:124640 280V:122347 320V:124642 385V:122351 440V:124644 600V:124646
Type(Remote signal monitoring)	G2015DZ/15-40-1+NPE-FM	G2015DZ/15-40-3+NPE-FM	G2010MT/10-20-1+NPE-FM	G2010MT/10-20-3+NPE-FM
Ordering number (Remote signal monitoring)	150V:124631 280V:122338 320V:124633 385V:122342 440V:124635 600V:124637	150V:124632 280V:122340 320V:124634 385V:122344 440V:124636 600V:124638	150V:124647 280V:122346 320V:124649 385V:122350 440V:124651 600V:124653	150V:124648 280V:122348 320V:124650 385V:122352 440V:124652 600V:124654

Type	G2010MT/150 Module	G2010MT/280 Module	G2010MT/320 Module	G2010MT/385 Module	G2010MT/440 Module	G2010MT/600 Module	G2010MT-NPE Module	G2010MT-NPE Module
Ordering number	120435	120436	120437	120438	120439	120440	120819	120567
Max. PV voltage (Lc) (Ucpv)	150V	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	5kA						20kA	10kA
Max. discharge current (8/20 μs) (Imax)	10kA						40kA	20kA
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV	≤1.5kV

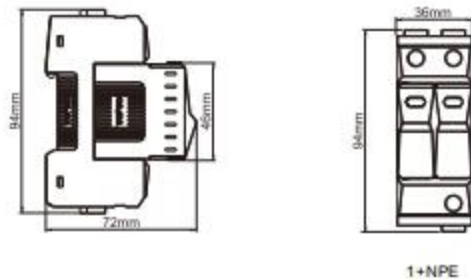


G2015DZ/15-40 Type 2 Surge Protective Devices
G2010MT/10-20 Type 2 Surge Protective Devices

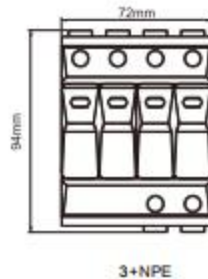
- Innovative tripping and breaking technology
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing

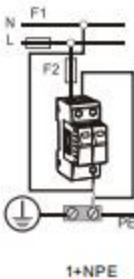


1+NPE

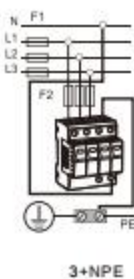


3+NPE

Standard wiring



1+NPE



3+NPE

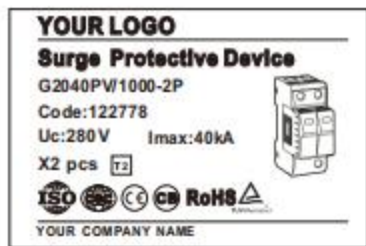
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Your Parameter

Parameter customization



Label customization



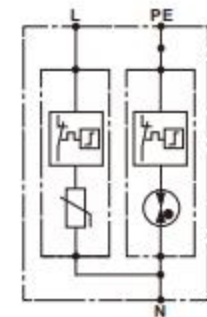
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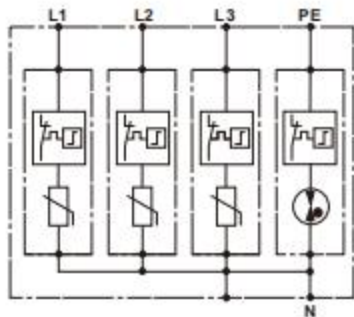
Your LOGO
Your Type
Your Parameter

Packaging customization

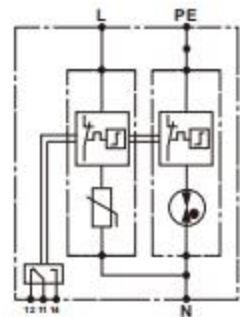
Basic circuit diagram



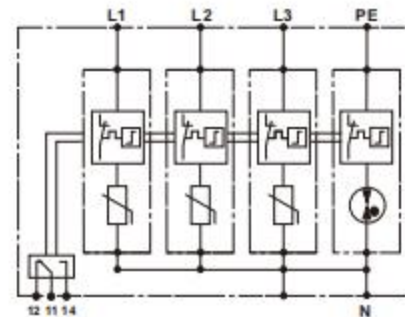
1+NPE



3+NPE



1+NPE-FM



3+NPE-FM

Remote signal terminal

Normal status



Alarm status



G2015DZ/15-40 Type 2 Surge Protective Devices
G2010MT/10-20 Type 2 Surge Protective Devices

- Innovative tripping and breaking technology
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Type	G2015DZ/15-40-1+NPE	G2015DZ/15-40-3+NPE	G2010MT/10-20-1+NPE	G2010MT/10-20-3+NPE
SPD according to EN 61643-31/IEC 61643-31	Type 2/Class II/T2			
Max. continuous operating voltage (a.c.) [L-PE] (Uc)	150/280/320/385/440/600V		150/280/320/385/440/600V	
Max. continuous operating voltage (a.c.) [N-PE] (Uc)	255V		255V	
Nominal discharge current (8/20 μs) [L-PE]/[N-PE] (In)	5/20kA		5/10kA	
Max. discharge current (8/20 μs) [L-PE]/[N-PE] (Imax)	15/40kA		10/20kA	
Voltage protection level [L-PE] (Up)	≤0.7/0.8/1.0/1.2/1.6/2.0kV		≤0.7/0.8/1.0/1.2/1.6/2.0kV	
Voltage protection level [N-PE] (Up)	≤1.5kV		≤1.5kV	
Response time [L-PE]/[N-PE] (tA)	25/100ns			
Operating temperature range (Tu)	-40 °C ... +80 °C			
Operating state / fault indication	Green:normal Red:invalid			
Number of ports	1			
For mounting on	35 mm DIN rails acc. to EN 60715			
Place of installation	indoor installation			
Degree of protection	IP20			
Approvals	CE,ROHS,CQC			
Weight	2P:180g,4P:360g			

Type	G2015DZ/15-40-1+NPE	G2015DZ/15-40-3+NPE	G2010MT/10-20-1+NPE	G2010MT/10-20-3+NPE
Ordering number	150V: 124623 280V: 122337 320V: 124625 385V: 122341 440V: 124627 600V: 124629	150V: 124624 280V: 122339 320V: 124626 385V: 122343 440V: 124628 600V: 124630	150V: 124639 280V: 122345 320V: 124641 385V: 122349 440V: 124643 600V: 124645	150V: 124640 280V: 122347 320V: 124642 385V: 122351 440V: 124644 600V: 124646
Type (Remote signal monitoring)	G2015DZ/15-40-1+NPE-FM	G2015DZ/15-40-3+NPE-FM	G2010MT/10-20-1+NPE-FM	G2010MT/10-20-3+NPE-FM
Ordering number (Remote signal monitoring)	150V: 124631 280V: 122338 320V: 124633 385V: 122342 440V: 124635 600V: 124637	150V: 124632 280V: 122340 320V: 124634 385V: 122344 440V: 124636 600V: 124638	150V: 124647 280V: 122346 320V: 124649 385V: 122350 440V: 124651 600V: 124653	150V: 124648 280V: 122348 320V: 124650 385V: 122352 440V: 124652 600V: 124654

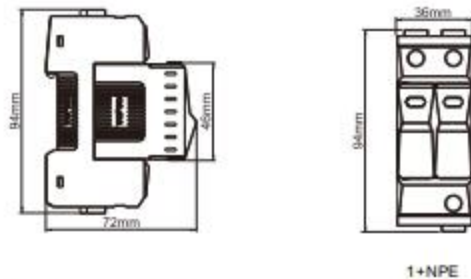
Type	G2010MT/150 Module	G2010MT/280 Module	G2010MT/320 Module	G2010MT/385 Module	G2010MT/440 Module	G2010MT/600 Module	G2010MT-NPE Module	G2010MT-NPE Module
Ordering number	120435	120436	120437	120438	120439	120440	120819	120567
Max. PV voltage (Lc) (Ucpv)	150V	280V	320V	385V	440V	600V	255V	255V
Nominal discharge current (8/20 μs) (In)	5kA						20kA	10kA
Max. discharge current (8/20 μs) (Imax)	10kA						40kA	20kA
Voltage protection level (Up)	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV	≤1.5kV

G2015DZ/15-40 Type 2 Surge Protective Devices
G2010MT/10-20 Type 2 Surge Protective Devices

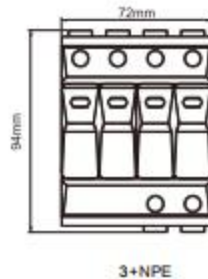
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Dimension drawing

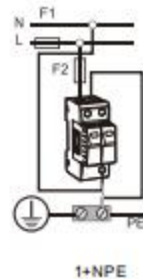


1+NPE

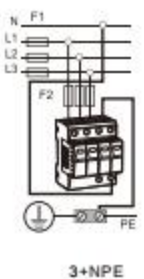


3+NPE

Standard wiring



1+NPE



3+NPE

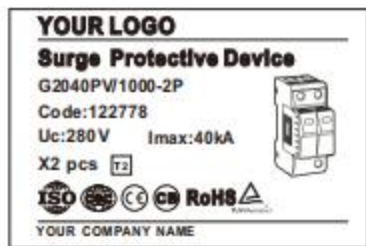
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Label customization



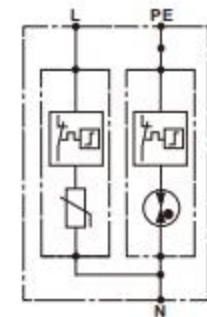
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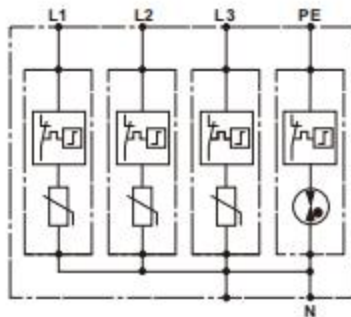
Your LOGO
Your Type
Your Parameter

Packaging customization

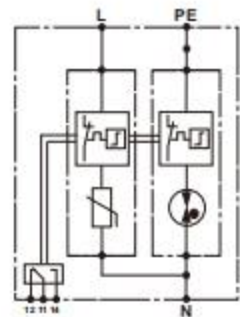
Basic circuit diagram



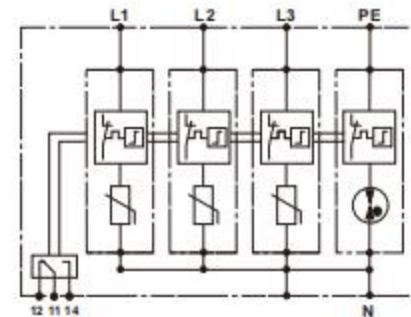
1+NPE



3+NPE



1+NPE-FM



3+NPE-FM

Remote signal terminal

Normal status



Alarm status



G2010R24/48/110/220 Control Signal Line Surge Protector

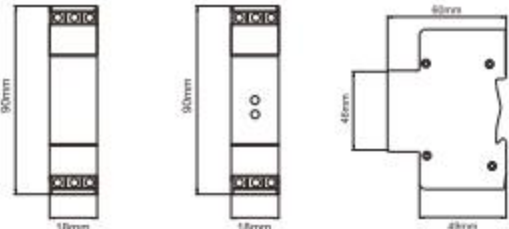
- Protect 2~4 signal lines
- Response speed: 10^{-12} seconds
- Pluggable structure (XP model)



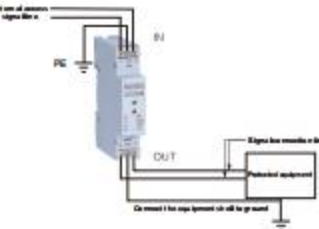
Temperature compensation



Dimension drawing



Standard wiring



Type	G2010R5	G2010R6	G2010R12	G2010R24	G2010R48	G2010R110	G2010R220
Ordering number	123010	123011	123012	123013	123014	123015	123016
Working voltage Un	5V	6V	12V	24V	48V	110V	220V
Maximum continuous operating voltage Uc	7V	9V	15V	30V	51V	150V	230V
Voltage protection level Up 3-4	≤13V	≤20V	≤30V	≤51V	≤100V	≤500V	≤700V
R rated load current	0.2A						
L rated load current	1.0A						
Nominal discharge current 8/20μs	3/5/10kA						
Maximum discharge current 8/20μs	5/10/20kA						
R line Series Resistance	15Ω						
L line Series Resistance	100μH						
Cross-sectional area of connecting wire	0.14~2.5mm ²						
Stripping length	6~7mm						
Colour	light grey						
Material	Flame retardant reinforced PC						
Executive standard	GB18802.2、IEC61643-21						

Product Notes

G2010R24	Stateless indication
G2010R24-W	Window indicator/Ordering number:123017-123023

G20POE Power/Network Integrated Surge Protector

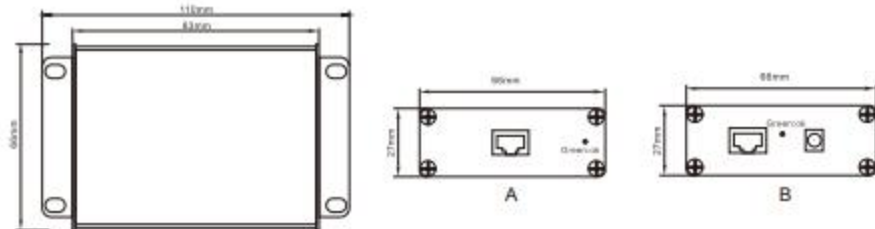
- Aluminum alloy shell, easy to install and replace.
- Protection function: power and network signal
- 48V DC power interface can be installed.



Temperature compensation



Dimension drawing



Type/Ordering number	G20POE/123021	
Network	Nominal working voltage UN(DC)V	5V
	Maximum continuous working voltage Uc(DC)V	8V
	Nominal discharge current In(8/20μs)kA	3kA
	Maximum discharge current Imax(8/20μs)kA	5kA
	Impact protection voltage (1kV/μs)	L-L ≤15V L-G ≤350V
	Transmission rate	100/1000M bps
	Insertion loss	0.5dB
	Protection circuit	1、2、3、6
Power	Nominal working voltage UN(DC)V	48V
	Maximum continuous working voltage Uc(DC)V	60V
	Nominal discharge current In(8/20μs)kA	3/5kA
	Maximum discharge current Imax(8/20μs)kA	5/10kA
	Voltage protection level Up	L-L ≤15V L-G ≤350V
	Protection circuit	4、5、7、8
	Shell material	Al alloy

Product Description

G20POE is suitable for lightning protection of network equipment powered by Category 5 Ethernet cables. It is suitable for installation at the interface between the lightning protection zone LPZ1-LPZ3. It has a two-level protection function to ensure that network equipment is protected from lightning, industrial interference, etc. Over-voltage and over-current damage are widely used in lightning protection for wireless network bridges, network cameras and other network equipment powered by Ethernet cables.

Instructions

The products are connected in series, and are connected in series in front of the input of the protected equipment.

During installation, the lightning protection grounding wire of the product should be directly connected to the lightning protection grounding grid of the equipment room. The grounding must be reliable and the length of the grounding wire should be less than 0.5m.

This product does not require special maintenance. When the 48v DC power supply is working normally, the green light is always on, and the green light is off, indicating a fault. At this time, the SPD should be removed to check whether the input power is normal. If the input power is normal, it means that the SPD is damaged and should be replaced immediately.

G20X1-RJ45 Series Signal Network Surge Protector

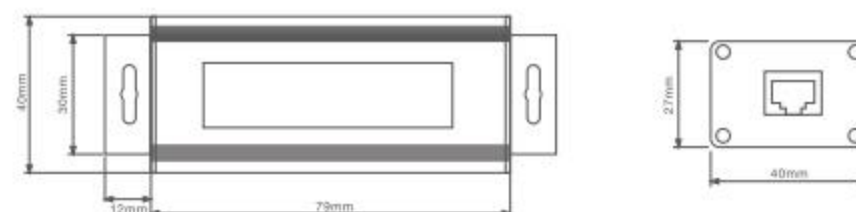
- Two-level protection is adopted, and the residual pressure is low.
- Metal shielded shell, excellent performance
- High-performance 1000M transmission



Temperature compensation



Dimension drawing



Type		G20X1-RJ45/100	G20X1-RJ45/1000
Nominal working voltage UN(DC)V		5V/5V	
Maximum continuous working voltage Uc(DC)V		8V/24V	
Rated current IL		500mA	
Voltage protection level Up	L-L	≤15V	
	L-G	≤450V	
Nominal discharge current In(8/20μs)kA		5/10kA	
Maximum discharge current Imax(8/20μs)kA		3/5kA	
Transmission rate		100Mbps	1000Mbps
Insertion loss		≤0.3dB	
Protect the core wire		1/2、3/6,1~8	1/2、3/6、4/5、7/8
Input/output interface		RJ45	
Ordering number		123022	123023
Response time		≤1ns	
Size		40×25×79(103)mm	
Shell material		Aluminum alloy	
Operating temperature		-25~+80℃	

Product Description

G20X1-RJ45 series signal surge protector (hereinafter referred to as SPD) is suitable for computer networks (Ethernet/LAN/network) servers, routers, HuB, broadband, and its coarse protection, fine protection, and fine protection functions can meet different requirements. The anti-surge protection zone is protected against the RJ45 interface to prevent damage to the signal equipment due to ground potential rise or line induced over voltage.

G20DX-Z Series Power Network Two-in-One Surge Protector

- Multi-function surge over-voltage protection
- Large capacity 10000A, High-speed response, Two-in-one design
- High-performance 1000M transmission



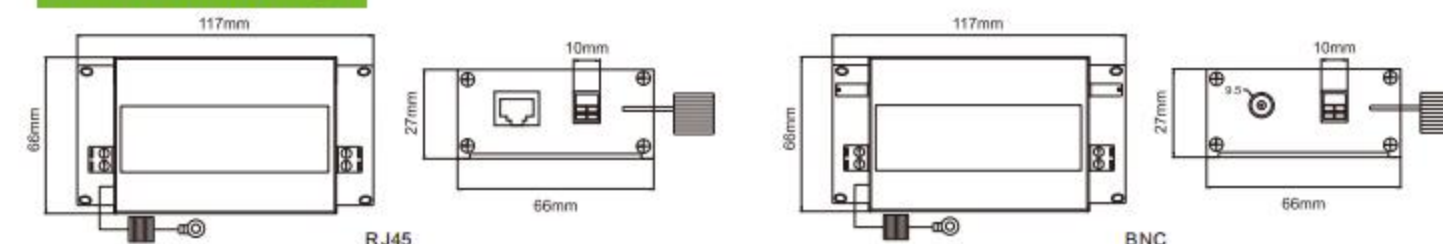
Temperature compensation



- Multi-function surge over-voltage protection
- Large capacity 10000A
- High-speed response
- High-performance 1000M transmission
- Two-in-one design

Type	G20DX-Z/12		G20DX-Z/24		G20DX-Z/220	
Style	Power	Netwrok	Power	Netwrok	Power	Netwrok
Nominal working voltage UN	12V	5V	24V	5V	220V	5V
Maximum continuous working voltage Uc	18V	8V	30V	8V	320V	8V
Nominal rated load current IL	5A	500mA	5A	500mA	5A	500mA
Nominal discharge current In	5kA/10kA	5kA	5kA/10kA	5kA	5kA/10kA	5kA
Maximum discharge current Imax	10kA/20kA	10kA	10kA/20kA	10kA	10kA/20kA	10kA
Voltage protection level Up	≤36V(8/20μs)	≤20V(1.2/50 μ s)	≤75V(8/20 μ s)	≤20V(1.2/50 μ s)	≤900V(8/20 μ s)	≤20V(1.2/50 μ s)
Response time	≤25ns	≤1ns	≤25ns	≤1ns	≤25ns	≤1ns
Transmission rate	-	100/1000Mbps	-	100/1000Mbps	-	100/1000Mbps
Insertion loss	-	≤0.3db	-	≤0.3db	-	≤0.3db
Protect the core wire	Terminals	RJ45/1236	Terminals	RJ45/1236	Terminals	RJ45/1236,BNC
Installation wiring	2.5mm ²	-	2.5mm ²	-	2.5mm ²	-
Operating temperature	-40℃~+85℃					
Size	106x58x35mm					
Ordering number(RJ45/BNC)	123024/123025		123026/123027		123028/123029	
Protection level	IP20					

Dimension drawing



G20DX-X Series Power Network Signal Three-in-One SPD

- The three-in-one design concept of network, signal.
- The internal use of two-stage series linkage protection, low residual pressure and long service life.
- High-performance 1000M transmission

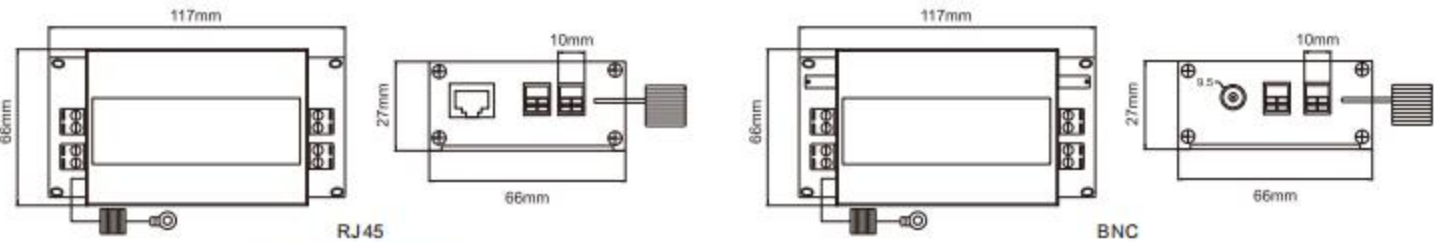


Temperature compensation



- The three-in-one design concept of network, signal.
- It can effectively prevent damage to the equipment caused by the instantaneous increase of the potential difference between the power supply, video, control and other equipment.
- The internal use of two-stage series linkage protection, low residual pressure and long service life.

Type	G20DX-X		
Style	Power	Network	Signal
Nominal working voltage UN	24V	5V	12V
Maximum continuous working voltage Uc	36V	8V	18V
Nominal rated load current IL	5A	2A	2A
Nominal discharge current In	5kA		
Maximum discharge current Imax	10kA		
Voltage protection level Up	≤36V(8/20μs)	≤18V	≤48V
Response time	≤25ns	≤1ns	≤1ns
Transmission rate	-	20Mbps	10Mbps
Insertion loss	-	≤0.3db	≤0.3db
Protect the core wire	Terminals	BNC/RJ45	Terminals
Installation wiring	2.5mm²	-	0.5~1.5mm²
Operating temperature	-40℃~+85℃		
Size	117x66x27mm		
Ordering number(BNC/RJ45)	123030/123031		
Protection level	IP20		



G20DT Series Coaxial Communication Signal Surge Protector

- N/F/BUC bidirectional interface
- Maintenance-free design
- High-speed response



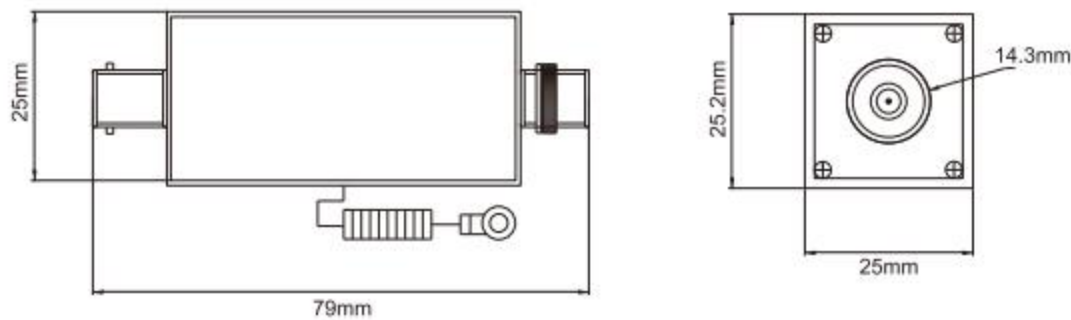
Temperature compensation



- Multi-function surge over-voltage protection
- Large capacity 10000A
- High-speed response
- High-performance 1000M transmission
- Two-in-one design

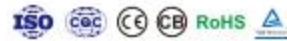
Type	G20DT
Interface form	N/F/BNC/TNC
Nominal working voltage UN	24V
Maximum continuous working voltage Uc	30V
Maximum discharge current Imax	10KA
Characteristic impedance	50/75Ω
Insertion loss	<0.1dB
Voltage protection level Up	<120V
Failure mechanism	Short circuit of communication line to ground
Ordering number (N/F/BNC/TNC)	123032/123033/123034

Dimension drawing



G20POE/X Series Gigabit Power Network Surge Protector

- The insertion loss is small and the transmission performance is superior.
- Low residual pressure, good protection effect
- Quick response, stable performance, safe and reliable



Temperature compensation



- Adopt the integrated design of power supply + network, multi-level protection circuit.
- The insertion loss is small and the transmission performance is superior.
- Low residual pressure, good protection effect
- Quick response, stable performance, safe and reliable
- Small size, easy to install and use, no special maintenance

Type	G20POE/4/1000	G20POE/8/1000	G20POE/16/1000	G20POE/24/1000
Number of protections	4 Ports	8 Ports	16 Ports	24 Ports
Transmission mode	Simultaneous transmission of DC power supply and network signal			
Line category	Power		Network	
Nominal working voltage Un	DC48V		5V	
Maximum continuous working voltage Uc	60V		8V	
Nominal discharge current In	3kA(8/20μs)			
Maximum discharge current Imax	5kA(8/20μs)			
Voltage protection level Up	L-L ≤100V		L-L ≤15V	
	L-PG ≤350V		L-PG ≤350V	
Maximum data transfer rate	—		1000Mbps	
Insertion loss	—		≤0.2dB	
Protect the pins	RJ 45(1, 2, 3, 4, 5, 6, 7, 8)			
Ordering number	123039	123040	123041	123042
Size	204x112x48mm			
Installation method	Screw fixation			
Operating temperature	-40℃~+85℃			

Installation Notes

1. The dry-mega Ethernet power supply POE network lightning protection device can be installed in the LPZ0-1 area or directly connected in series at the front end of the protected equipment (or system). The closer the installation is to the protected equipment (or system), the better.
2. The input terminal (IN) of the lightning arrester is connected to the signal line, and the output terminal (OUT) is connected to the protected equipment. It cannot be reversed.
3. The product does not require special maintenance. Try to lean on the equipment side as far as possible when installing; when the working system is faulty and suspect that the lightning protector, you can remove the lightning protector and check it again. If it is restored to the state before use, it should be replaced. Lightning protection device.

G20PDU Series Cabinet Dedicated Lightning Protection Socket

- Short protection function is fast, and the response time is short.
- The shell is made of special flame-retardant and impact-resistant material, aluminum alloy material
- Multiple standard jacks (European standard, American standard, national standard)



Temperature compensation



- Short protection function is fast, and the response time is short.
- When lightning strikes, there is no need to stop the electrical equipment and normal operation will not be affected;
- The shell is made of special flame-retardant and impact-resistant material, aluminum alloy material
- Multiple standard jacks (European standard, American standard, national standard)

Type	G20PDU/4	G20PDU/5	G20PDU/6	G20PDU/8
Number of protection sockets	4 Ports	5 Ports	6 Ports	8 Ports
Ordering number	123035	123036	123037	123038
Nominal working voltage Ue	250V			
Maximum continuous working voltage Ue	300V			
Input power Ie	10A/16A			
Maximum discharge current Imax	10kA			
Voltage protection level Up	≤1.5kA			
Response time tA	≤25ns			
Maximum power P	25000W			
Shell material	Aluminum alloy + flame retardant ABS			

Features

Interface compatibility:

The standard power socket hole modules of various countries in the world can meet the different needs of customers in many countries. Multi-purpose output jacks and IEC output sockets, suitable for plugs of imported instruments and equipment in different countries.

- 1) It can realize dual-channel input, IEC socket input, product front panel input, product rear input, product end input, etc.
- 2) National standard, British standard, German standard, American standard, Italian standard, French standard, IEC, etc.
- 3) Optional plugs of various specifications such as 10A, 16A and industrial couplers.

International standard rack installation:

It is easily installed in a 19-inch standard cabinet or rack, and only takes up 1U or 1.5U cabinet space. It supports horizontal installation (standard 19-inch), vertical installation (installation parallel to the cabinet column), and can also be applied to other occasions.

Convenient and reliable installation performance:

The 19-inch standardized design is very easy to install.

G2010RXX-2/3/4 Series Control Signal Line Surge Protector

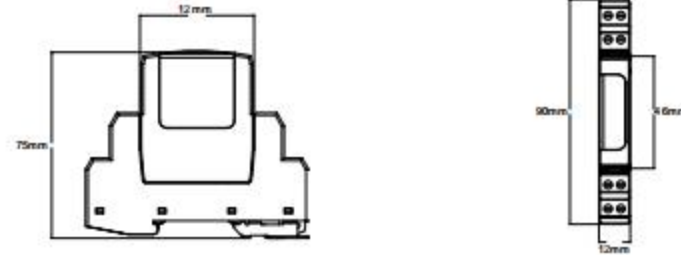
- Protect 2~4 signal lines
- Response speed: 10^{-12} seconds
- Pluggable structure (XP model)



Temperature compensation

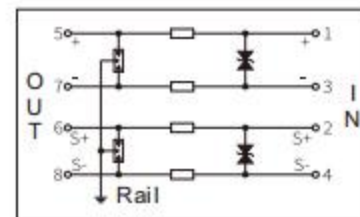
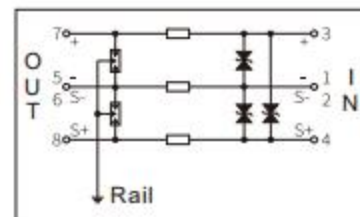
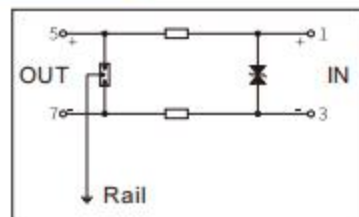


Dimension drawing



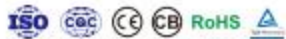
Type	Two-wire system			Four-wire system		
Type	G2010R5-2	G2010R24-2	G2010R48-2	G2010R5-4	G2010R24-4	G2010R48-4
Ordering number	123044	123045	123046	123050	123051	123052
Nominal working voltage (d.c.) (Un)	5V	24V	48V	5V	24V	48V
Max. continuous operating voltage (d.c.) (Uc)	6V	36V	56V	6V	36V	56V
Rated working current IL	500/1000mA					
Path resistance (per line)	1Ω					
Nominal discharge current In (8/20μs)	10kA					
Maximum discharge current Imax (8/20μs)	20kA					
Impulse current Iimp (10/350μs)	2.5kA					
Voltage protection level Up (8/20μs) L-L/L-G	40/600V	60/600V	100/600V	40/600V	60/600V	100/600V
Voltage protection level Up (1kV/μs) L-L/L-G	20/600V	40/600V	80/600V	20/600V	40/600V	80/600V
Bandwidth (-0.5dB)	40MHz					
Response time	1ns					
Protection level (IEC60529)	IP 20					
Shell material/flame retardant rating (UL94)	PA66/V0					
Size	2.5kA					

Product Notes



G2010LED Series Outdoor lighting surge protector

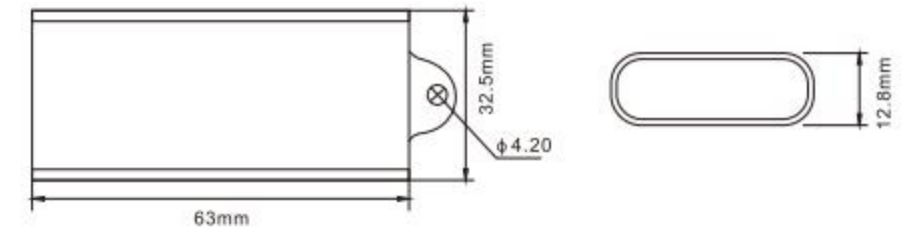
- LED outdoor lighting system dedicated
- Meet IP65 requirements (wire connection method)
- Comply with IEC61643-1/EN61643-11 Standard



Temperature compensation

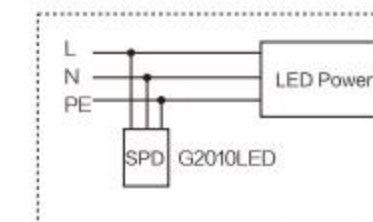
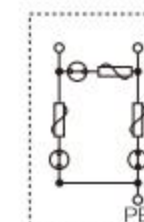


Dimension drawing



Type	G2010LED
Line type/ supply voltage	120/230V
Ordering number	Class 1, Class 2
Nominal discharge current	5kA
Maximum discharge current	10kA
Wiring	Terminal/wire
Installation method	Board-mounted
Dimensions	63x32.5x12.8mm
Ordering number	123017
Telesignal alarm	Optional
Data line protection	Have

Instructions



G20PD-Z-300 Pre-discharge Type Lightning Rod

- High-energy surge protection
- Variety of specifications and appearance options
- Discharge in advance to protect the equipment



Temperature compensation



- High-energy surge protection
- Variety of specifications and appearance options
- Discharge in advance to protect the equipment

Type/Order code	G20PD-Z-300/123055
Thunder and lightning	400kA
Grounding resistance requirements	≤10Ω
Wind strength	≤40m/s
Height	67cm
Weight	8.5kg
characteristic	Pre-discharge lightning type
Early start time	52 μ s

Product Description

The energy of the electric field between the central collecting rod of the lightning rod and the exciter increases rapidly to cause ionization of the tip air, which can be discharged in a very short and accurate time. Due to the existence of a large number of electric ions, the natural Corona effect is reduced, and an expected upward discharge channel is generated, which can quickly and safely intercept lightning and safely discharge to the ground.

The main structure

Non-electronic, long life. When there is lightning, it will be self-activated. It has an early discharge function and a fully active lightning interception system. After repeated lightning strikes and discharges, it can still ensure electrical continuity and functional continuity.

GDLJ-500 Lightning strike counter

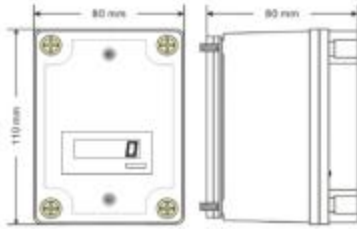
- Wide range of operating current, capable of monitoring various lightning waveforms
- Built-in large-capacity battery, no need for external power supply
- Protection level up to IP65



Temperature compensation



Dimension drawing



Type	Lightning strike counter:GDLJ-500	
Ordering number	123053	
Collection form	Back induction	
Counter built-in battery life	3-5 years	
Counter built-in battery type	lithium battery	
Maximum count (eight digits)	9999 9999 times	
Minimum count induction current	500A (8/20us), 1kA (10/350us)	
Maximum count induction current	120kA (8/20us), 100kA (10/350us)	
Wiring	Capacity	2.5-50mm2
	Copper tape	≤4*40mm
Temperature (humidity) range	-40℃~+80℃, relative humidity≤95%	
Waterproof level	IP65	
Shell material	Plastic ABS+PC	
Standard sizes	110*80*80mm	

Product notes

GDLJ-500	Without clock function.
GDLJ-500-W	With clock function,Ordering number: 123054

Installation Notes

