

G2040PV Type 2 PV Surge Protective Devices

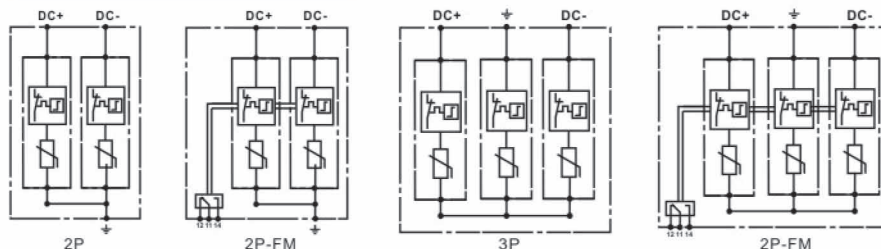
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



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}) 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-FMG2040PV/500-FMG2040PV/600-FMG2040PV/800-FM	G2040PV/500-FMG2040PV/600-FMG2040PV/800-FM	G2040PV/600-FMG2040PV/800-FM	G2040PV/800-FMG2040PV/1000-FM	G2040PV/1000-FMG2040PV/1200-FM	G2040PV/1200-FMG2040PV/1500-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:124477	2P:122146 3P:124478	2P:122147 3P:124479	2P:122148 3P:124480	2P:122149 3P:124481	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

