

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

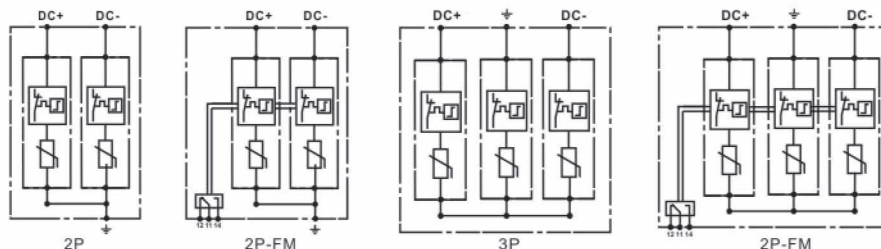
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



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.) (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})	7kA						
Total lightning current (10/350 μs) L1/N→PE (I _{imp}) I _{total}	2P:14kA,3P:21kA						
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/7/300	G2040PV-B+C/7/500	G2040PV-B+C/7/600	G2040PV-B+C/7/800	G2040PV-B+C/7/1000	G2040PV-B+C/7/1200	G2040PV-B+C/7/1500
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/7/300-FM	G2040PV-B+C/7/500-FM	G2040PV-B+C/7/600-FM	G2040PV-B+C/7/800-FM	G2040PV-B+C/7/1000-FM	G2040PV-B+C/7/1200-FM	G2040PV-B+C/7/1500-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/7/300 Module	G2040PV-B+C/7/500 Module	G2040PV-B+C/7/600 Module	G2040PV-B+C/7/800 Module	G2040PV-B+C/7/1000 Module	G2040PV-B+C/7/1200 Module	G2040PV-B+C/7/1500 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.) (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})	7kA						
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV

