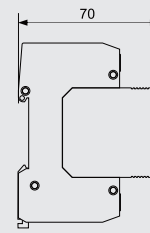
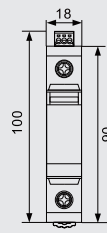
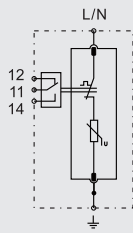


BR-80 1P

Type 2 Surge Arrester



BR-80 1P can be used to build 2P, 3P and 4P surge arresters.

		BR-80 150 1P	BR-80 275 1P	BR-80 320 1P	BR-80 385 1P
SPD classification according to EN61643-11		Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-11		Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage	U _c	150V	275V	320V	385V
Nominal discharge current (8/20μs)	I _n	40kA	40kA	40kA	40kA
Max. discharge current (8/20μs)	I _{max}	80kA	80kA	80kA	80kA
Voltage protection level	U _p	≤1.0kV	≤1.7kV	≤2.0kV	≤2.3kV
Voltage protection level 5kA	U _p	≤0.6kV	≤1kV	≤1.1kV	≤1.2kV
Max. backup fuse		160A gG	160A gG	160A gG	160A gG
Short-circuit withstand capacity	I _{SCCR}	25kA	25kA	25kA	25kA
Temporary overvoltage TOV-withstand	U _T	180V/5sec.	335V/5sec.	400V/5sec.	500V/5sec.
Temporary overvoltage TOV-safe failure	U _T	230V/120min.	440V/120min.	520V/120min.	650V/120min.
Leakage current	I _{PE}	<1mA	<1mA	<1mA	<1mA
Response time	t _A	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range	T _u	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red	green/red	green/red
Cross-section area (Min.)		4 mm ²	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail			
Enclosure material		Thermoplastic UL94-V0			
Degree of protection		IP20	IP20	IP20	IP20
Order Code		B18284	B18286	B18288	B18290
Order Code (With remote signaling)		B18285	B18287	B18289	B18291