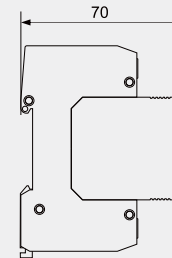
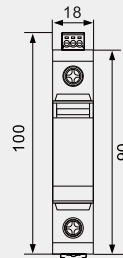
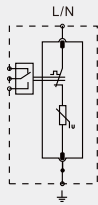


## BR-80 1P

### 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	Uc	150V	275V	320V	385V
Nominal discharge current (8/20µs)	In	40kA	40kA	40kA	40kA
Max. discharge current (8/20µs)	I <sub>max</sub>	80kA	80kA	80kA	80kA
Voltage protection level	Up	≤1.0kV	≤1.7kV	≤2.0kV	≤2.3kV
Voltage protection level 5kA	Up	≤0.5kV	≤0.9kV	≤1.1kV	≤1.3kV
Max. backup fuse		200A gG	200A gG	200A gG	200A gG
Short-circuit withstand capacity	I <sub>SCCR</sub>	25kA	25kA	25kA	25kA
Temporary overvoltage TOV-withstand	U <sub>T</sub>	175V/5sec.	335V/5sec.	350V/5sec.	550V/5sec.
Temporary overvoltage TOV-safe failure	U <sub>T</sub>	250V/120min.	440V/120min.	550V/120min.	660V/120min.
Leakage current	I <sub>PE</sub>	<1mA	<1mA	<1mA	<1mA
Response time	t <sub>A</sub>	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range	T <sub>u</sub>	-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 <sup>2</sup>	4 mm <sup>2</sup>	4 mm <sup>2</sup>	4 mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
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