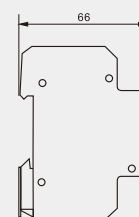
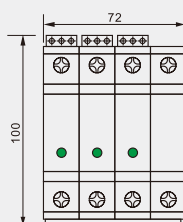
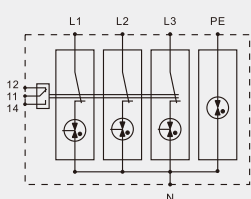


BR-25GRS 3+1 Type 1 Surge Arrester



■ BR-25GRS 3+1 surge arrester is suitable for TT and TN-S system

		BR-25GRS 150 3+1	BR-25GRS 275 3+1	BR-25GRS 320 3+1
SPD classification according to EN61643-11		Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11		Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage	U_c (L-N/N-PE)	150V/255V (50/60Hz)	275V/255V (50/60Hz)	320V/255V (50/60Hz)
Lightning impulse current (10/350 μ s)	I_{imp} (L-N/N-PE)	25kA/100kA	25kA/100kA	25kA/100kA
Nominal discharge current (8/20 μ s)	I_n (L-N/N-PE)	25kA/100kA	25kA/100kA	25kA/100kA
Maximum discharge current (8/20 μ s)	I_{max} (L-N/N-PE)	50kA/160kA	50kA/160kA	50kA/160kA
Quantity of electric charge (L-N,N-PE)	Q	12.5As, 50As	12.5As, 50As	12.5As, 50As
Specific energy (L-N,N-PE)	W/R (L-N/N-PE)	156kJ/ Ω , 2500kJ/ Ω	156kJ/ Ω , 2500kJ/ Ω	156kJ/ Ω , 2500kJ/ Ω
Voltage protection level	U_p (L-N/N-PE)	$\leq 2.3kV / \leq 1.5kV$	$\leq 2.3kV / \leq 1.5kV$	$\leq 2.3kV / \leq 1.5kV$
Short-circuit current rating a.c.	I_{sccr} (L-N/N-PE)	25kA rms/100A rms	25kA rms/100A rms	25kA rms/100A rms
Max. backup fuse		250A gG	250A gG	250A gG
Temporary overvoltage TOV-withstand	U_T (L-N)	250V/120min.	440V/120min.	550V/120min.
Temporary overvoltage TOV-withstand	U_T (N-PE)	1200V/200ms	1200V/200ms	1200V/200ms
Response time	t_A	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$
Operating temperature range	T_u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Cross-section area (Min.)		4mm ²	4mm ²	4mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail	35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection		IP20	IP20	IP20
Order Code		B7058	B7071	B7084
Order Code (With remote signaling)		B7059	B7072	B7085