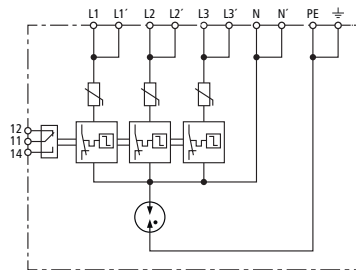
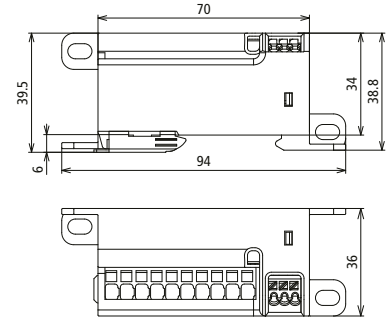


DCOR 3P TT 275 FM (900 439)

- Extremely compact design
- Visual fault indication, with remote signalling contact
- Optionally mounted on DIN rails or using special screw lugs
- Double push-in technology – For series or parallel connection



Basic circuit diagram



Dimension drawing

Compact three-phase arrester for TT and TN-S systems.

Type	DCOR 3P TT 275 FM
Part No.	900 439
Extended technical data	
Max. mains-side overcurrent protection (series connection)	25 A gG
Max. mains-side overcurrent protection (parallel connection)	40 A gG
Insulation measurement	up to 500 V DC when connected
Operating state / fault indication	green / red
Cross-sectional area for push-in terminals	0.2 ... 6 mm ² solid / flexible
Dimensions	2 modules, DIN 43880
Type of remote signalling contact	changeover contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm ² solid / flexible
Technical data	
SPD according to EN 61643-11 / IEC 61643-11	Typ 2 + Typ 3 / Class II + Class III
Nominal voltage (a.c.) (U_n)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U_c)	275 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [N-PE] (U_c)	255 V (50 / 60 Hz)
Max. continuous operating voltage DC (U_c)	350 V
Nominal load current (a.c.) / (d.c.) (I_n)	25 A
Nominal discharge current (8/20 μ s) [L-N] (I_n)	10 kA
Max. discharge current (8/20 μ s) [L-N] (I_{max})	20 kA
Nominal discharge current (8/20 μ s) [N-PE] (I_n)	10 kA
Max. discharge current (8/20 μ s) [N-PE] (I_{max})	40 kA
Total discharge current (8/20 μ s) [L+N-PE] (I_{total})	40 kA
Combination wave [L-N]/[N-PE] (U_{oc})	20 kV
Voltage protection level [L-N] (U_p)	$\leq 1,5$ kV
Voltage protection level [N-PE] (U_p)	$\leq 1,5$ kV
Follow current extinguishing capability [N-PE] (I_{eff})	100 A _{eff}
Response time [L-N] (t_A)	25 ns
Response time [L/N-PE] (t_A)	100 ns
Short-circuit withstand capability for mains-side overcurrent protection (I_{scCR})	6 kA _{eff}
Temporary overvoltage (TOV) [L-N] (U_T) - Characteristic	335 V / 5 sec. – Festigkeit 440 V / 120 min. – sicherer Ausfall
Temporary overvoltage (TOV) [N-PE] (U_T) - Characteristic	1200 V / 200 ms. – Festigkeit
Number of ports	1
Operating temperature range (T_{U_i})	-40 °C ... +80 °C
Enclosure material	Thermoplast, Farbe rot, UL 94 V-2
Place of installation	Innenraum
Degree of protection of installed device	IP 20

Technical data

Approvals	KEMA
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Masterdata

Net weight	105.31 g/pc(s)
GTIN	4013364436053
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.