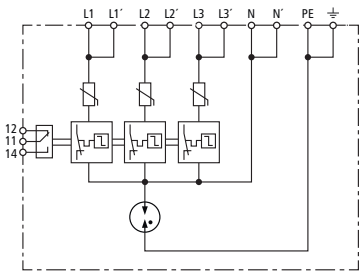
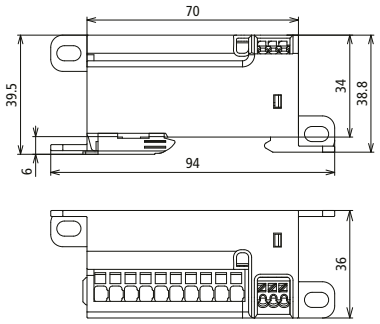
DCOR 3P TT 275 FM (900 439)

- 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 mm² 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 mm² 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_L)	25 A
Nominal discharge current (8/20 µs) [L-N] (I_n)	10 kA
Max. discharge current (8/20 µs) [L-N] (I_{max})	20 kA
Nominal discharge current (8/20 µs) [N-PE] (I_n)	10 kA
Max. discharge current (8/20 µs) [N-PE] (I_{max})	40 kA
Total discharge current (8/20 µs) [L+N-PE] (I_{total})	40 kA
Combination wave [L-N]/[N-PE] (U_{OC})	20 kV
Voltage protection level [L-N] (U_p)	≤ 1,5 kV
Voltage protection level [N-PE] (U_p)	≤ 1,5 kV
Follow current extinguishing capability [N-PE] (I_{fi})	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)	-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

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Technical data	
Approvals	KEMA

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

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.

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