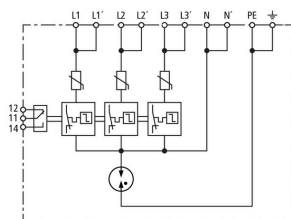


## DCOR 3P TT 275 FM (900 439)

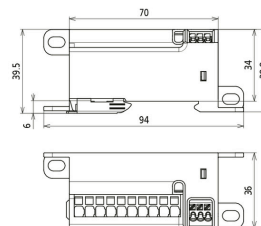
- Extremely compact design
- Visual fault indication, with remote signalling contact
- Optionally mounted on DIN rails or using special screw lugs
- Double push-in technology – For series or parallel connection



Figure without obligation



Basic circuit diagram DCOR 3P TT 275 FM



Dimension drawing DCOR 3P TT 275 FM

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

### Technical data

Type	DCOR 3P TT 275 FM
Part No.	900 439
SPD according to EN 61643-11 / IEC 61643-11	type 2 + type 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 (d.c.) ( $U_C$ )	350 V
Nominal load current (a.c.) / (d.c.) ( $I_L$ )	25 A
Nominal discharge current (8/20 $\mu$ s) [L-N] ( $I_n$ )	10 kA
Max. discharge current (8/20 $\mu$ s) [L-N] ( $I_{max}$ )	20 kA
Nominal discharge current (8/20 $\mu$ s) [N-PE] ( $I_n$ )	10 kA
Max. discharge current (8/20 $\mu$ s) [N-PE] ( $I_{max}$ )	40 kA
Total discharge current (8/20 $\mu$ 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] ( $I_e$ )	100 A <sub>rms</sub>
Response time [L-N] ( $t_A$ )	25 ns
Response time [L/N-PE] ( $t_A$ )	100 ns
Max. mains-side overcurrent protection (series connection)	25 A gG
Max. mains-side overcurrent protection (parallel connection)	40 A gG
Short-circuit withstand capability for mains-side overcurrent protection ( $I_{SCCR}$ )	6 kA <sub>rms</sub>
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) – Characteristic	1200 V / 200 ms. – withstand
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 <sup>2</sup> solid / flexible
Number of ports	1
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Enclosure material	thermoplastic, red, UL 94 V-2
Place of installation	indoor installation
Degree of protection of installed device	IP 20
Dimensions	2 modules, DIN 43880
Approvals	KEMA
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 <sup>2</sup> solid / flexible
Weight	105 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364436053
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.