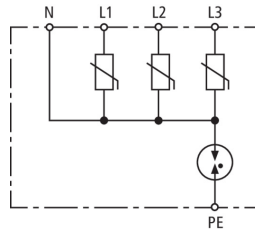


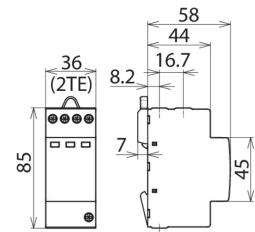
## DG TT 5 275 NL (900 459)



Figure without obligation



Basic circuit diagram DG TT 5 275 NL



Dimension drawing DG TT 5 275 NL

Compact surge arrester for TT and TN-S systems (3+1 circuit)

Type	DG TT 5 275 NL
Part No.	900 459
SPD according to EN 61643-11	type 2
Power supply system	three-phase TT / TN system
Nominal voltage (a.c.) ( $U_N$ )	230 / 400 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)
Follow current extinguishing capability [N-PE] ( $I_n$ )	100 A
Nominal discharge current (8/20 $\mu$ s) [L-N] ( $I_n$ )	5 kA
Nominal discharge current (8/20 $\mu$ s) [N-PE] ( $I_n$ )	20 kA
Max. discharge current (8/20 $\mu$ s) [L-N] ( $I_{max}$ )	15 kA
Max. discharge current (8/20 $\mu$ s) [N-PE] ( $I_{max}$ )	40 kA
Voltage protection level ( $U_p$ )	$\leq 1.5$ kV
Protective conductor current ( $I_{PE}$ )	$\leq 5$ $\mu$ A
Response time [L-N] ( $t_A$ )	$\leq 25$ ns
Response time [N-PE] ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	MCB C 63 A
Short-circuit withstand capability ( $I_{SCCR}$ )	6 kA
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic ( $U_T$ )	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) – Characteristic ( $U_T$ )	1200 V / 200 ms. – withstand
Operating temperature range	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area, solid / flexible (min.)	0.75 mm <sup>2</sup>
Cross-sectional area, solid / flexible (max.)	10 mm <sup>2</sup> / 6 mm <sup>2</sup>
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	2 module(s), DIN 43880
Weight	143 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364320581
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.