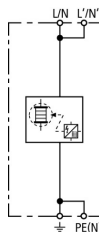


## DSO 1 255 (900 230)

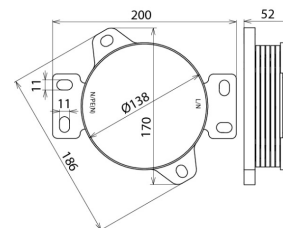
- Coordinated spark-gap-based lightning current arrester
- Extremely high lightning current discharge capacity up to 200 kA (10/350  $\mu$ s)
- Low voltage protection level  $U_p \leq 2.5$  kV



Figure without obligation



Basic circuit diagram DSO 1 255



Dimension drawing DSO 1 255

Coordinated, single-pole lightning current arrester for installation on busbars or mounting plates.

Type	DSO 1 255
Part No.	900 230
Classification according to EN 61643-11 / IEC 61643-11	type 1 / class I
Max. continuous operating voltage (a.c.) ( $U_c$ )	255 V (50 / 60 Hz)
Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	200 kA
Specific energy (W/R)	10 MJ/ohms
Voltage protection level ( $U_p$ )	$\leq 2.5$ kV
Directly coordinated with DEHNguard (cable length $\geq 35$ cm)	DG S 440 (FM)
Follow current extinguishing capability (a.c.) ( $I_{fi}$ )	3 kA <sub>rms</sub>
Follow current limitation / Selectivity	No tripping of fuses up to 3 kA(prosp.)
Response time ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	160 A gG
Short-circuit withstand capability	3 kA <sub>rms</sub>
Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic	440 V / 120 min. – withstand
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Number of ports	1
For mounting on	PE(N) busbars, min. 35 mm <sup>2</sup>
Connection	via cable lug, min. 35 mm <sup>2</sup> / max. 50 mm <sup>2</sup>
Enclosure material	thermoplastic, red, UL 94 V-2
Place of installation	indoor installation
Weight	1,49 kg
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364153783
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.