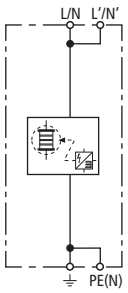
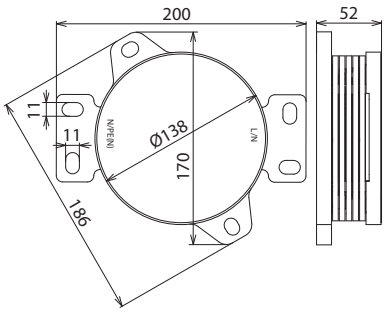
DSO 1 255 (900 230)

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





Basic circuit diagram



Dimension drawing

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 (AC) (U_C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) (I_{imp})	200 kA
Specific energy (W/R)	10 MJ/ohms
Voltage protection level (U_p)	≤ 2.5 kV
Directly coordinated with DEHNguard (cable length ≥ 35 cm)	DG S 440 (FM)
Follow current extinguishing capability (a.c.) (I_{fi})	3 kA_{rms}
Follow current limitation / Selectivity	No tripping of fuses up to 3 kA (prosp.)
Response time (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	160 A gG
Additional short-circuit current rating	3 kA_{rms}
Temporary overvoltage (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^2
Connection	via cable lug, min. 35 mm^2 / max. 50 mm^2
Enclosure material	thermoplastic, red, UL 94 V-2
Place of installation	indoor installation

Masterdata	
Net weight	1.49 kg/pc(s)
GTIN	4013364153783
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090

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.