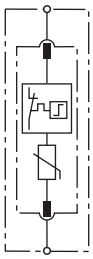
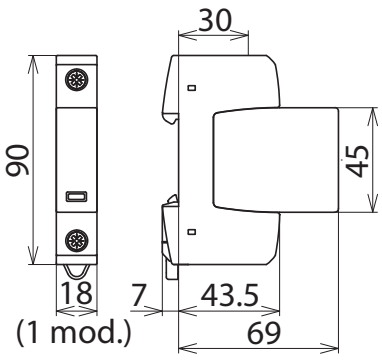
DSIT S CSP DC 48 (921 078)

- Multi-purpose surge arrester consisting of a base element and plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to „“Thermo Dynamic Control““ SPD monitoring device





Basic circuit diagram



Dimension drawing

Pluggable single-pole surge arrester consisting of a base part and plug-in protection module.

Type	**DSIT S CSP DC 48**
Part No.	**921 078**
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
Nominal voltage (d.c.) (U_N)	48 V
Nominal voltage (a.c.) (U_N)	60 V (50 / 60 Hz)
Max. continuous operating voltage DC (U_C)	100 V
Max. continuous operating voltage (AC) (U_C)	75 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) (I_{imp})	12.5 kA
Specific energy (W/R)	39.06 kJ/Ohm
Nominal discharge current (8/20 µs) (I_n)	12.5 kA
Max. discharge current (8/20 µs) (I_{max})	60 kA
Voltage protection level (U_p)	≤ 0.4 kV
Response time (t_A)	≤ 25 ns
Max. mains-side overcurrent protection	160 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	25 kA_{rms}
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm^2 solid / flexible
Cross-sectional area (max.)	35 mm^2 stranded / 25 mm^2 flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, gray, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	1 Standard DIN module, DIN 43880
Approvals	UL
Test values according to UL 1449	----------
SPD classification according to UL 1449	type 1 component assembly
Voltage Protection Rating (VPR)	0,3 kV
Nominal discharge current (8/20µs) (I_n)	20 kA

Masterdata	
Net weight	121.6 g/pc(s)
GTIN	4013364269958
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.

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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