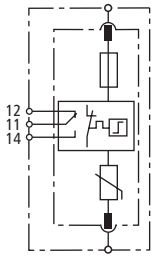
DEHNguard SE CI with integrated backup fuse

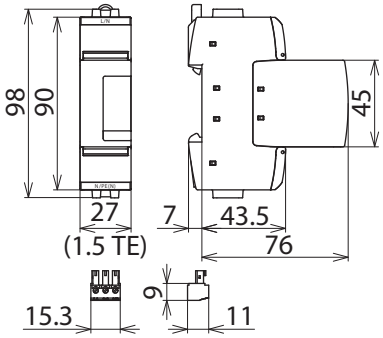
DG SE CI 440 FM (952920)

- Arrester backup fuse integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- High reliability due to „“Thermo Dynamic Control““ SPD monitoring device





Basic circuit diagram



Dimension drawing

Pluggable single-pole surge arrester comprising a base part and plug-in protection module; with integrated backup fuse and remote signalling contact for monitoring unit (floating changeover contact).

Type	**DG SE CI 440 FM**
Part No.	**952920**
SPD as per IEC 61643-11 / EN IEC 61643-11	Type 2 + type 3
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	400 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	440 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	12.5 kA
Combination wave (U_{OC})	20 kV
Voltage protection level (U_P)	≤ 2 kV
Protective conductor current (I_{PE})	≤ 0.5 mA
continuous current (I_C)	≤ 0.5 mA
Response time (t_A)	≤ 25 ns
Max. mains-side overcurrent protection	not required
Rated breaking capacity of the internal backup protection	25 kA
Short-circuit withstand capability (I_{SCCR})	25 kA_{rms}
Temporary overvoltage (U_T) – characteristic	580 V / 5 sec. – withstand 765 V / 120 min. – safe failure
Condition at the end of life time of the SPD A	Open Circuit Mode (OCM)
Overvoltage category (OVC) main circuit	III
Insulation between main and remote circuit	Double insulation
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, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20 (integrated)
Capacity	1.5 Standard DIN module, DIN 43880
Approvals	DEKRA
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^2 solid / flexible
Overvoltage category (OVC) auxiliary circuit	II

© DEHN, Inc. • 500 S Main Street, Suite 115 • Mooresville, NC 28115 • United States • Tel. +1 877-927-6510 • contactDEHN@dehn.us • www.dehn.us

: 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

Masterdata	
Net weight	1 pc(s)/st
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364322622
PU	1 st

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.