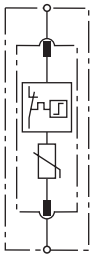
# DEHNguard S

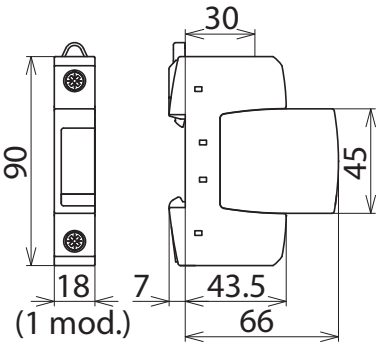
## DG S 75 (952071)

- Multi-purpose surge arrester consisting of a base element and a 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 a plug-in protection module.

| Type | DG S 75 |
|---|---|
| **Part No.** | **952071** |
| **Technical data** | |
| 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.) ($U_N$) | 60 V (50 / 60 Hz) |
| Max. continuous operating voltage (AC) ($U_C$) | 75 V (50 / 60 Hz) |
| Nominal discharge current (8/20 µs) ($I_n$) | 10 kA |
| Max. discharge current (8/20 µs) ($I_{max}$) | 40 kA |
| Combination wave ($U_{OC}$) | 20 kV |
| Voltage protection level ($U_P$) | ≤ 0.4 kV |
| Voltage protection level at 5 kA ($U_P$) | ≤ 0.35 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 | 125 A gG |
| Short-circuit withstand capability for max. mains-side overcurrent protection ($I_{SCCR}$) | 50 $kA_{rms}$ |
| Temporary overvoltage ($U_T$) – characteristic | 90 V / 5 sec. – Festigkeit<br>115 V / 120 min. – sicherer Ausfall |
| Condition at the end of life time of the SPD A | Open Circuit Mode (OCM) |
| Overvoltage category (OVC) main circuit | III |
| 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 Standard DIN module, DIN 43880 |
| Approvals | DEKRA, VDE, UL, CSA |
| **Extended technical data** | |
| Nominal discharge current (8/20 µs) ($I_n$) | 20 kA |
| Voltage protection level ($U_P$) | ≤ 0.5 kV |

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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

| Masterdata | |
|---|---|
| Net weight | 1 pc(s)/st |
| Customs tariff number (Comb. Nomenclature EU) | 85363030 |
| GTIN | 4013364109834 |
| 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.