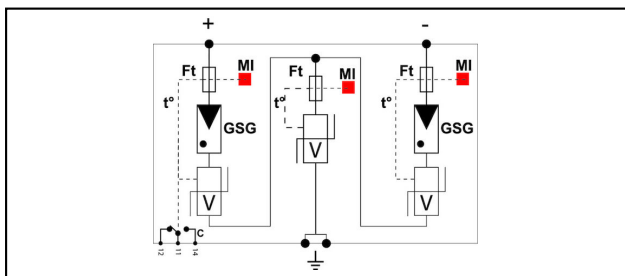
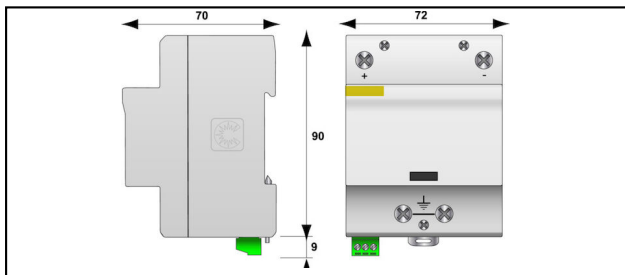


Photovoltaics

■ DS 60 VGPVS Photovoltaics surge protection

**Characteristics**

- Surge protector photovoltaic type 1+2
- 10 years warranty
- $I_{imp} = 12.5 \text{ kA/pole}$ ($10/350 \mu\text{s}$)
- internal disconnection, status indicator
- follow and operating current: none
- remote signaling

| Article-Nr. | E-Number | Typ/Type | | kA I_{imp} | kA I_{max} | V U_C | ns t_A | kV U_P | |
|-------------|-------------|----------|-----|-----------------|-----------------|------------------------|-------------|-------------|---|
| 296.045.923 | 808 486 100 | T1 / T2 | Yes | 12.5 | 40 | $\leq 500 \text{ VDC}$ | 0 | 1.7 | 1 |

Technical Specifications: Photovoltaics surge protection DS 60 VGPVS

| | |
|---|--------------------------------------|
| Article No. | 296.045.923 |
| Operation voltage max. [Uc] | ≤500VDC |
| SPD type | T1 / T2 |
| Number of poles | 2 |
| max. discharge current (Imax) | 40 kA |
| Nominal line voltage Un DC | 600 V |
| Impulse current [Iimp]_(10/350) | 12.5 kA |
| Nominal cross section conductor | 6 - 35 mm ² |
| Discharge current max. (8/20) μs [Imax] | 40 kA |
| Nominal discharge surge current (8/20) | 20 kA |
| Voltage protection level [Up] | 1.7 kV |
| Protection level max. (at 5kA) | 1.3 kV |
| Protection level max. (at 12.5kA) | 1.5 kV |
| Operating current [Ic] | 0 kA |
| Follow current [IF] | 0 kA |
| follow current extinguishing capability [Ifi] | Unendlich |
| Response time [ta] | 0 |
| Short circuit resistance (Icw) | 25 kA |
| Fault indication | Mechanisch, Rot |
| Temperature range | -40 - 85 °C |
| Degree of protection | IP20 |
| Signaling on the device | Optic |
| Signaling contact | Yes |
| Connection cross section solid / stranded max. | 1.5 mm ² |
| Switching capacity signaling contact | 250 V / 0,5 A (AC) - 30 V / 2 A (DC) |
| Energetically coordinated protective effect to the terminal | Yes |
| System configuration DC | Yes |
| Construction size | 4 modular spacing |
| Nominal discharge current [In] | 20/Pol |
| Integrated backup fuse | No |
| Exhausting | No |
| Number of poles | 2 |
| Mounting method | DIN rail (top hat rail) 35 mm |
| Degree of protection (IP) | IP20 |
| Standards | |
| Homologation | VDE, ÖVE und UL |
| Test standards USA | UL 1449 ed.3 |
| Test standards Europe | FprEN 50539-11 |
| Test standards France | UTE C61-740-51 |
| Commercial specification | |
| Customs number | 85363000 |
| country of origin | ZA* |
| Logistic specification | |
| VPE Weight | 0.432 kg |