DEHNguard MP ACI

DEHNguard modular with Advanced Circuit Interruption

DEHNguard MP ACI strengthens our modular DEHNguard product family. The type 2 + 3 surge arrester with integrated protection of terminal equipment now comes with a practical push-in connection system.

Your benefits at a glance:

Fast set-up. Reliable push-in connection system up to a pull-out force of 90 N. Tested to EN IEC 60947-1.

Long lifetime. Zero leakage current due to galvanic isolation by ACI switching unit.

Safe dimensioning. Due to ACI technology no external backup fuse required.

Easy wiring. Small conductor cross-sections (6 mm² Cu) are sufficient. Increased availability. TOV withstand also at 440 V (AC).

Easy wiring and fast installation.

1. **Push-in connection system**
   Up to 10 mm² (flexible, rigid, fine-stranded)

2. **Remote signalling contact (optional)**
   With push-in-technology, for simple remote monitoring

3. **Visible clamping**
   Fewer installation errors due to visual inspection

4. **Feed-through wiring**
   For implementing EMC-optimised feed-through wiring as per IEC 60364-5-53

5. **Certification**
   To VDE as type 2 + 3

Technical data	DG MP TNS ACI 275 FM
Part No.	**942 440**
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Max. continuous operating voltage AC [L-PE] (U_C)	275 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	20 kA
Nominal load current for "V-connection" (I_L)	40 A
Voltage protection level [L-PE] / [N-PE] (U_P)	≤ 1.5 / ≤ 1.5 kV
External backup fuse	no
Short-circuit withstand capability (I_{SCCR})	25 kA$_{rms}$
Max. mains-side overcurrent protection with "V-connection"	40 A gG
Temporary overvoltage (TOV) (U_T) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) (U_T) – Characteristic	440 V / 120 min. – withstand
Cross-sectional area (min.)	6 mm² flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Type of remote signalling contact	changeover contact
Approvals	KEMA, VDE