



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 mm ² flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Type of remote signalling contact	changeover contact
Approvals	KEMA, VDE

Technical Support

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Learn more about
DEHNGuard MP:
<http://de.hn/CHoDY>

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