

POWERTEC – DRAINS WITH SEPARATION SPARK GAP (B+C)



POWERTEC

SCHRACK INFO

POWERTEC arrester with a low level of protection is a selective, two-stage constructed T1 + T2 (B + C) arrester, which realizes the protection classes I + II in one device. This eliminates the need for cable lengths under 10m, the decoupling elements required by the use of inert gas-filled, hermetically sealed spark gap, the requirement for a high arresting capacity is achieved at high functional stability. No exhaust port, so no safety distances required.

TIPS & TRICKS

The first stage (valve-type) leads impulse currents (up to 4kA), without causing line follow currents. When exceeding a some surge current to (4kA) takes over the second stage (hermetically sealed, inert gas-filled spark gap), the rare dissipation of energy transient up to 25kA / 60kA (10/350µs) that can occur with near and direct strikes. To signal is optional in case a potential-free alarm contact (R) with plug connector. The V-wiring can be on the unmarked clamp (the device is not connected to the clamp L / N) by means of the optional two-pole comb type busbar is easy.

CERTIFICATIONS

Tested according to E DIN VDE EN61643-11 and after 0675-6-11/98-A1 or IEC61643-1 and OVE ÖNORM E8001-1 classification to Class B / C, I + II, T1, T2.

TECHNICAL DATA

- Protection level: < 2.5 kV
- Output (R): optional
- Lightning current: 25 kA, 60 kA (20/350 µs)
- High insulation resistance of an insulation resistance of > 1010 Ω
- Maximum continuous operating voltage UC: 335 V ~
- Nominal voltage Un: 230V/400V AC 50/60Hz
- Response time: < 50 ns
- Maximum permissible line or fuse F2 on stub wiring: 160A gL
- Maximum permissible line or fuse F3 at V-wiring: 100A gL
- Operating temperature range: -40° C ... +85° C
- Wire strip length: 50 mm² stranded / flexible 35 mm²
- Material / color: polycarbonate (halogen free) / gray RAL 7035
- Protection: IP20
- Mounting on 35 mm DIN rail: according to EN 50 022

■ DIMENSIONS AND CIRCUIT DIAGRAMS

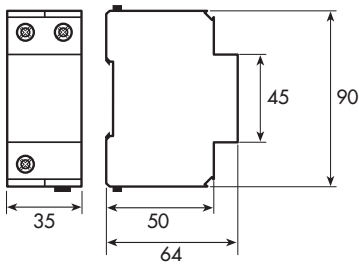
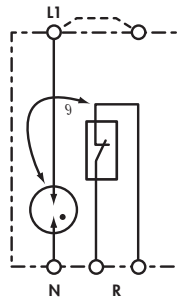
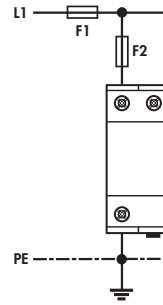


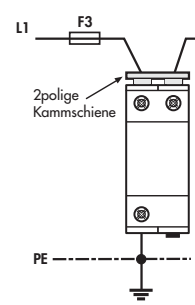
Abbildung mit Remote Kontakt R
R 230VAC/0,5A



Sichleitungs - Verdrahtung



V - Verdrahtung



Wenn Leitungssicherung (F1) \leq 160 A eingesetzt ist, ist die Vorsicherung (F2) nicht zwingend

| DESCRIPTION | MW | WEIGHT (kg) | EAN CODE | AVAILABLE | ORDER NO. |
|------------------------------------|----|-------------|---------------|-----------|-----------------|
| POWERTEC 25kA Class/II B/C | 2 | 0,19 | 9004840268058 | | IS010111 |
| POWERTEC 25kA+H Class/II B/C | 2 | 0,19 | 9004840268041 | | IS010112 |
| POWERTEC 60kA Class./II B/C | 2 | 0,19 | 9004840256000 | | IS010113 |
| POWERTEC 60kA+H Class/II B/C | 2 | 0,19 | 9004840268065 | | IS010114 |
| Busbar 3-fold, for TN-C system | - | - | 9004840277944 | | IS010173 |
| Busbar 4-fold, for TN-S, TT system | - | - | 9004840277951 | | IS010174 |