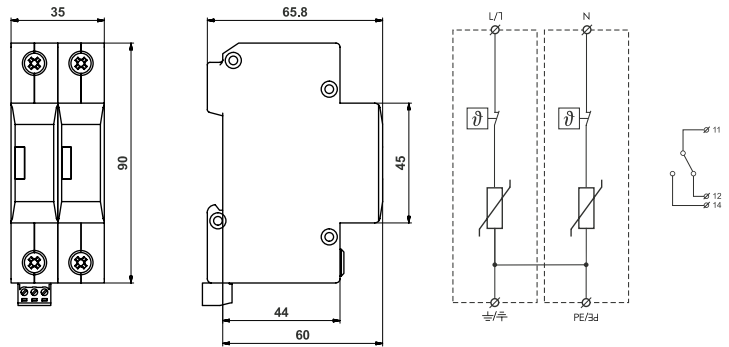
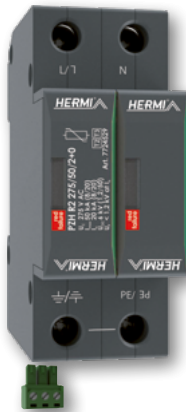


Surge Arrester TYPE 2+3

VARISTOR
TYPE 2+3 / CLASS II+III / TN-S / CE


PZH R2 275/50/2+0, PZH R2 275/50/2+0 S

PZH R2* is a surge arrester according to EN 61643-11 ed.2 (IEC 61643-11:2011) consisting of high energy varistors. Its parameters enable its use in complex circumstances. The device is to be installed on the interface of LPZ 1 – LPZ 2 and higher zones according to standard EN 62305 ed.2 (IEC 62305:2010), i.e. into subsidiary switchboards and control boxes. The product has two PE terminals, which can not be used as a PE bridge. **S** indication specifies a version with remote monitoring.

| TYPE | PZH R2 275/50/2+0, PZH R2 275/50/2+0 S | |
|---|---|---|
| Test class according to EN 61643-11 ed.2 (IEC 61643-11:2011) | | TYPE 2+3, CLASS II+III |
| System | | TN-S |
| Max. continuous operating voltage | U_C | 275 V AC / 350 V DC |
| Maximum discharge current (8/20) | I_{max} | 50 kA |
| Total discharge current (8/20) L1+N->PE | I_{TOTAL} | 100 kA |
| Nominal discharge current for class II test (8/20) | I_n | 20 kA |
| Open circuit voltage | U_{OC} | 6 kV |
| Voltage protection level at I_n | U_p | < 1,2 kV |
| Voltage protection level at U_{OC} | U_p | < 800 V |
| Temporary overvoltage (TOV) | U_T | 337 V/5 s |
| Response time | t_A | < 25 ns |
| Max. back-up fuse | | 160 A gL/gG |
| Short-circuit withstand capability 160 A gL/gG | I_p | 60 kA _{rms} |
| LPZ | | 1-3 |
| Housing material | | Polyamid PA6, UL94 V-0 |
| Degree of protection of enclosure | | IP20 |
| Operating temperature range | θ | -40 °C ... +70 °C |
| Cross-section of the connected conductors (at tightening moment of clamps 3 Nm) | | 25 mm ² (solid) - 16 mm ² (wire) |
| The mounting method / operating position | | DIN rail 35 mm / any |
| Failure signalisation | | optical function signalization target clear – ok optical function signalization target red - fault |
| Potential free signal contact (S) (recommended cross-section of remote monitoring max. 1 mm ²) | | AC: 250 V / 0,5 A, DC: 250 V / 0,1 A |
| Lifetime | | min. 100 000 h |
| Weight | | 192 g |
| Article number | | 77 24 529, 77 24 522 (S) |