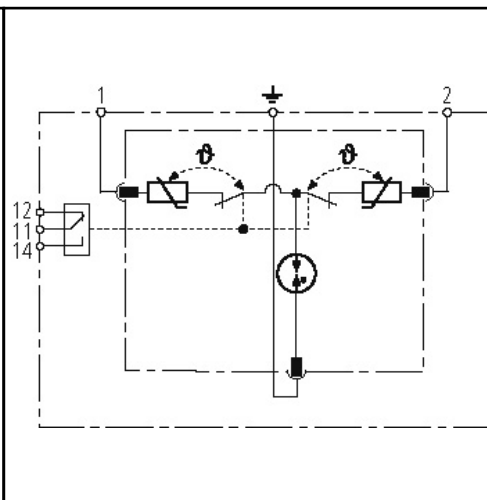
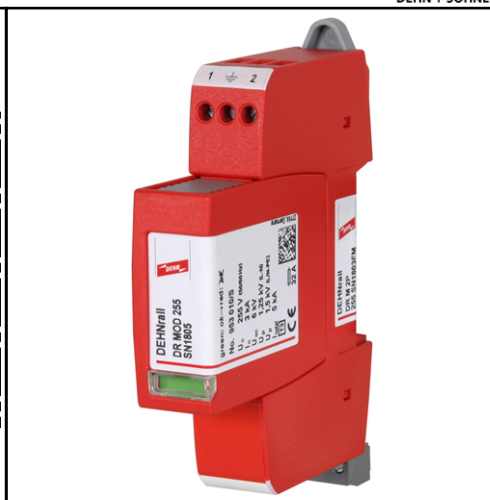


Dimension drawing DR M 2P ... FM



Basic circuit diagram DR M 2P ... FM



DR M 2P ... FM: Two-pole surge arrester consisting of a base part and plug-in protection module; with floating remote signalling contact

Two-pole surge arrester consisting of a base part and plug-in protection module

High discharge capacity due to powerful zinc oxide varistor/spark gap combination

Energy-coordinated within the Red/Line product family

Operating state/fault indication by indicator flag in the inspection window

With floating remote signalling contact

Small (modular) design acc. to DIN 43880

Easy replacing of protection modules without tools due to module locking system with release button

DR M 2P 255 SN1803FM

| | |
|--|--|
| SPD according to EN 61643-11 | Type 3 |
| SPD according to IEC 61643-1 | Class III |
| Nominal a.c. voltage [U _N] | 230 V |
| Max. continuous operating a.c. voltage [U _C] | 255 V |
| Max. continuous operating d.c. voltage [U _C] | 255 V |
| Nominal discharge current (8/20 μs) [I _n] | 3 kA |
| Total discharge current (8/20 μs) [L+N-PE] [I _{total}] | 5 kA |
| Combined impulse [U _{OC}] | 6 kV |
| Combined impulse [L+N-PE] [U _{OC total}] | 10 kV |
| Voltage protection level [L-N] [U _{p1}] | ≤ 1250 V |
| Voltage protection level [L/N-PE] [U _{p1}] | ≤ 1500 V |
| Response time [L-N] [t _{A1}] | ≤ 25 ns |
| Response time [L/N-PE] [t _{A1}] | ≤ 100 ns |
| Max. mains-side overcurrent protection | 32 A gL/gG or B 32 A |
| Short-circuit withstand capability for mains-side overcurrent protection with 25 A gL/gG | 6 kA _{rms} |
| Temporary overvoltage (TOV) [L-N] [U _{T1}] | 335 V / 5 sec. |
| Temporary overvoltage (TOV) [L/N-PE] [U _{T1}] | 400 V / 5 sec. |
| Temporary overvoltage (TOV) [L+N-PE] [U _{T1}] | 1200 V + U ₀ / 200 ms |
| TOV characteristics [L-N] | withstand |
| TOV characteristics [L/N-PE] | withstand |
| TOV characteristics [L+N-PE] | failure |
| Operating temperature range [T _{U1}] | -40°C...+80°C |
| Operating state/fault indication | green / red |
| Number of ports | 1 |
| Cross-sectional area (min.) | 0.5 mm ² solid/flexible |
| Cross-sectional area (max.) | 4 mm ² solid/2.5 mm ² flexible |

| | |
|---|---|
| For mounting on | 35 mm DIN rail acc. to EN 60715 |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Location category | indoor |
| Degree of protection | IP 20 |
| Capacity | 1 mod., DIN 43880 |
| Type of remote signalling contact | changeover contact |
| Switching capacity a.c. | 250 V/0.5 A |
| Switching capacity d.c. | 250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A |
| Cross-sectional area for remote signalling terminals | max. 1.5 mm ² solid/flexible |
| Ordering information | |
| Type | DR M 2P 255 SN1803FM |
| Part No. | 953 205 |
| Packing unit | 1 pc |

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.