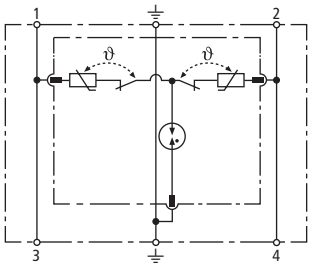
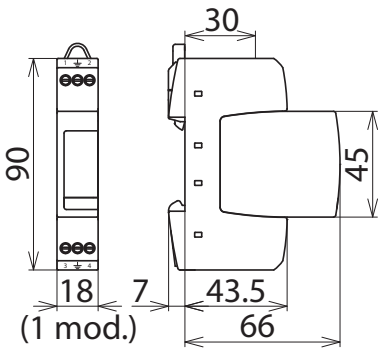
# DR M 2P 150 (953 204)

- Two-pole surge arrester consisting of a base part and a plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor / spark gap combination
- Energy coordination with other arresters of the Red/Line product family






Basic circuit diagram




Dimension drawing

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

| | |
|---|---|
| **Type** | **DR M 2P 150** |
| **Part No.** | **953 204** |
| **Test values according to UL 1449** | |
| Mode | L-L/L-G |
| Rated voltage (AC), 50/60 Hz) [L-L]/[L-G] | 120/60 V |
| MCOV (AC, 50/60 Hz) [L-L]/[L-G] | 150/75 V |
| MLV (AC) [L-L]/[L-G] | 640/460 V |
| Nominal discharge current (8/20µs) ( $I_n$) | 2 kA |
| Rated Current | 20 A |
| Maximum ambient temperature | +80 °C |
| AWG (conductors) | 14-20 Cu stranded, 12-20 Cu solid |
| Torque (conductors) | 3.5 Lbs-in |
| AWG (remote indicator) | 14-22 |
| Torque (remote indicator) | 3 Lbs-in |
| UL 1449 edition | 5th edition |
| Type (SPD classification) | Type 4 component assembly |
| **Technical data** | |
| SPD according to EN 61643-11 / IEC 61643-11 | type 3 / class III |
| Nominal voltage (a.c.) ($U_N$) | 120 V (50 / 60 Hz) |
| Max. continuous operating voltage (AC) ($U_C$) | 150 V (50 / 60 Hz) |
| Max. continuous operating voltage DC ($U_C$) | 150 V |
| Nominal load current (a.c.) ($I_L$) | 25 A |
| Nominal discharge current (8/20 µs) ($I_n$) | 2 kA |
| Total discharge current (8/20 µs) [L+N-PE] ($I_{total}$) | 4 kA |
| Combination wave ($U_{OC}$) | 4 kV |
| Combination wave [L+N-PE] ($U_{OC\ total}$) | 8 kV |
| Voltage protection level [L-N] / [L/N-PE] ($U_p$) | ≤ 640 / ≤ 800 V |
| Response time [L-N] ($t_A$) | ≤ 25 ns |
| Response time [L/N-PE] ($t_A$) | ≤ 100 ns |
| Max. mains-side overcurrent protection | 25 A gG or B 25 A |
| Short-circuit withstand capability for mains-side overcurrent protection with 25 A gG ($I_{SCCR}$) | 6 $kA_{rms}$ |
| Operating temperature range ($T_U$) | -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 rails acc. to EN 60715 |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Place of installation | indoor installation |
| Degree of protection | IP 20 |

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

| Technical data | |
|---|---|
| Capacity | 1 Standard DIN module, DIN 43880 |
| Approvals | KEMA, VDE, UL, CSA, ATEX, IECEx |
| ATEX approvals | TÜV 22 ATEX 8930 X: II 3 G Ex ec IIC T4 Gc |
| IECEx approvals | IECEx TUR 22.0080X: Ex ec IIC T4 Gc |

| Masterdata | |
|---|---|
| Net weight | 79.3 g/pc(s) |
| GTIN | 4013364109704 |
| PU | 1 pc(s) |
| Customs tariff number (Comb. Nomenclature EU) | 85363030 |

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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