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19" rack with 4 surge protected ports for data interfaces in Ethernet (1000Base-T), Token Ring and FDDI/CDDI networks in acc. with Class D/EN 50173 (CAT5e), connection on the protective device: RJ45 sockets



The illustration shows the version with 24 ports

Product Features

- ☑ 19" rack for installation in storey distributors
- Protection of all eight signal wires of the data cable
- ☑ Reliable transmission speeds up to 1 Gbps
- ☑ Up to 24 ports with RJ45 connection
- Indirect grounding via a gas-filled surge arrester in the housing
- Direct grounding via a connection on the housing



Key commercial data

| Packing unit | 11 |
|--------------------------------------|------------|
| Weight per Piece (excluding packing) | 3111.2 GRM |
| Custom tariff number | 85363010 |
| Country of origin | Germany |

Technical data

Dimensions

| Height | 44 mm |
|-------------|--------|
| Width | 483 mm |
| Depth | 160 mm |
| Height unit | 1 U |

Ambient conditions

| Ambient temperature (operation) | -40 °C 80 °C |
|---------------------------------|--------------|
| Degree of protection | IP20 |



Technical data

General

| Housing material | Sheet steel |
|--|---|
| Color | beige |
| Standards for air and creepage distances | DIN VDE 0110-1 |
| | IEC 60664-1 |
| Surge voltage category | Ш |
| Pollution degree | 2 |
| Mounting type | 19" rack |
| Design | 19" rack patch module |
| Number of positions | 4 |
| Direction of action | Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground |

Protective circuit

| IEC test classification | C1 |
|--|--------------------------------------|
| | C2 |
| | C3 |
| | B3 |
| Maximum continuous voltage UC (wire-wire) | 6 V DC |
| Maximum continuous voltage U_c (wire-ground) | 68 V DC (optional: +/- 6 V DC) |
| Nominal current I _N | 1.5 A (25 °C) |
| Operating effective current I_c at U_c | ≤ 1 mA |
| Residual current I _{PE} | ≤ 1 mA (jumper 2 unplugged) |
| Nominal discharge current In (8/20) µs (Core-Core) | 350 A |
| Nominal discharge current I_n (8/20) µs (Core-Earth) | 350 A |
| Nominal discharge current I_n (8/20) µs (Shield-Earth) | 2.5 kA (with insulated housing) |
| Total surge current (8/20) μs | 10 kA |
| Nominal pulse current lan (10/1000) µs (Core-Core) | 100 A |
| Nominal pulse current lan (10/1000) µs (Core-Earth) | 100 A |
| Output voltage limitation at 1 kV/µs (Core-Core) static | ≤ 20 V |
| Output voltage limitation at 1 kV/µs (Core-Earth) static | \leq 30 V (J2 plugged) |
| | ≤ 170 V (J2 unplugged) |
| Output voltage limitation at 1 kV/µs (Shield-Earth) static | \leq 700 V (with insulated shield) |
| Residual voltage at I _n , (conductor-conductor) | ≤ 65 V |
| Residual voltage at In, (conductor-ground) | ≤ 45 V (J2 ON) |
| | ≤ 220 V (J2 OFF) |
| Residual voltage at In, (shield-ground) | ≤ 700 V |
| Voltage protection level U _P (Core-Core) | ≤ 50 V (C1, 500 V/250 A) |



Technical data

Protective circuit

| Voltage protection level U _P (Core-Earth) | ≤ 40 V (C1, 500 V/250 A (J2 ON)) |
|--|---------------------------------------|
| | ≤ 180 V (C1, 500 V/250 A (J2 OFF)) |
| Voltage protection level U _P (Shield-Earth) | \leq 800 V (with insulated housing) |
| Response time tA (Core-Core) | ≤ 1 ns |
| Response time tA (Core-Earth) | \leq 1 ns |
| Response time tA (Core-GND) | ≤ 100 ns |
| Input attenuation aE, sym. | typ. 1 dB (≤ 100 MHz) |
| Near-end crosstalk attenuation | typ. 36 dB (100 Ω system / 100 MHz) |
| Cut-off frequency fg (3 dB), sym. in 100 Ohm system | > 100 MHz |
| Capacity (Core-Core) | typ. 20 pF |
| Capacity (Core-Earth) | typ. 1 pF |

Connection data

| Connection method | RJ45 |
|---------------------|--|
| Connection type IN | RJ45 socket |
| Connection type OUT | RJ45 socket |
| Connection method | Network interfaces (e.g. Ethernet, Token Ring and CDDI/FDDI) |

Standards and Regulations

| Standards/regulations | IEC 61643-21 |
|-----------------------|----------------|
| | DIN EN 50173-1 |

Classifications

eCl@ss

| eCl@ss 4.0 | 27140201 |
|------------|----------|
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |

ETIM

| ETIM 2.0 | EC000943 |
|----------|----------|
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |
| ETIM 5.0 | EC000943 |



Classifications

UNSPSC

| UNSPSC 6.01 | 30212010 |
|---------------|----------|
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

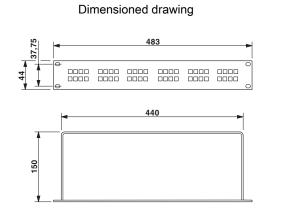
Approval details

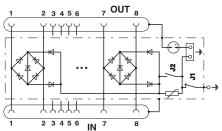
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Drawings







Circuit diagram

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