


|                           |                                   |   |
|---------------------------|-----------------------------------|---|
| 21700613                  | <b>DATA SHEET</b>                 |  |
| Valid from:<br>21.04.2022 | <b>EPIC® DATA HS RJ45 F 10G A</b> |   |

## Description

- DIN RAIL adapter with field mountable RJ45-jack acc. IEC 60603-7-5, Cat.6, shielded
- Color coding acc. EIA/TIA-568 A/B
- For industrial ethernet



## General characteristics

|                              |   |
|------------------------------|---|
| Connection method, din rail  | mounting rail TH35  |
| Connection method, connector | RJ45-jack, field mountable, UL listed                       |
| Number of pins               | 8   |
| Ambient temperature          | -40°C to +75°C (-40°F to 167°F)                             |
| Degree of protection         | IP 20   |
| Shielding                    | Shielded  |
| For conductor                | AWG22/1 to AWG26/1 (solid)<br>AWG22/7 to AWG27/7 (stranded) |
| For insulation-Ø             | 0.9 to 1.6 mm   |
| For cable-Ø                  | Ø5.0 mm to Ø9.0 mm  |

## Variation

| Article  | Description               | Pin assignment | Included RJ45-jack |
|----------|---------------------------|----------------|--------------------|
| 21700613 | EPIC DATA HS RJ45 F 10G A | EIA/TIA-568A   | 21700611           |
| 21700614 | EPIC DATA HS RJ45 F 10G B | EIA/TIA-568B   | 21700612           |

## Electrical properties

### RJ45-jack

|   |   |
|---|---|
| Rated voltage   | 60 VDC (max.)   |
| Rated current at 50 °C                                      | 1 A   |
| Contact resistance  | ≤ 20 mΩ   |
| Insulation resistance                                       | ≥ 500 MΩ  |
| Withstand voltage   | ≥ 1000 VDC contact to contact<br>≥ 1500 VDC contact to shield |
| Suitable for Power over Ethernet 4PPoE acc. to IEEE 802.3bt | yes   |


## Transmission characteristics

### RJ45-jack

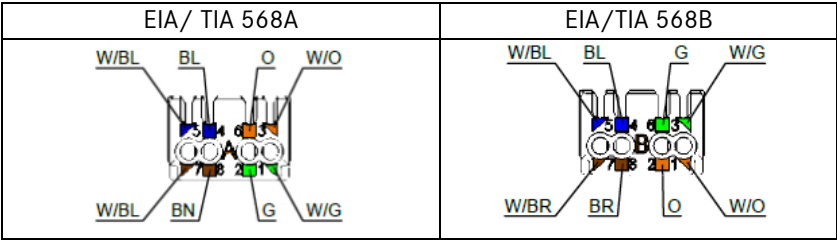
|                |   |
|----------------|---|
| Category (ISO) | 6 |
|----------------|---|

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Connector pin assignment



Mechanical properties

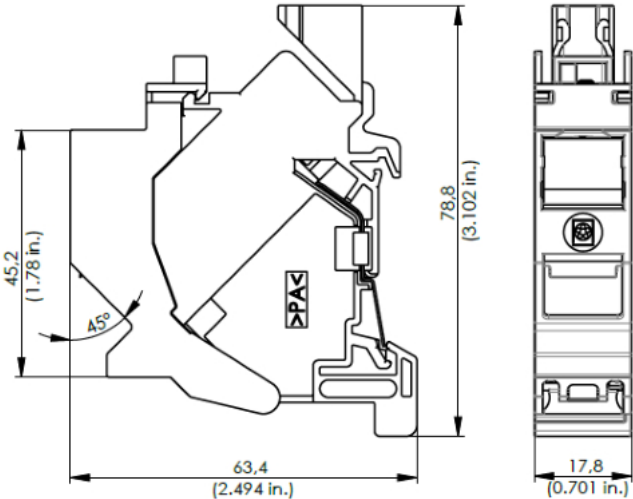
Mounting rail housing


|   |                        |
|---|------------------------|
| Inflammability class according to UL 94 | V0                     |
| Housing, material                       | PA grey                |
| Cover, material                         | PA grey                |
| Transparent cover, material             | PC crystal clear       |
| Shutter, material                       | PA grey                |
| Shutter holder, material                | PA grey                |
| Leg spring, material                    | Stainless steel        |
| Earth contact spring, material          | Tool steel, tin-plated |

RJ45-jack

|   |                           |
|---|---------------------------|
| Inflammability class according to UL 94 | V0                        |
| Connector housing, material             | Zink diecast Ni plated    |
| Stop hook, material                     | Stainless steel           |
| Snap arm for cable trap, material       | PC black                  |
| Slide for shield contact, material      | PC black                  |
| Shield, material                        | German silver             |
| Wire pair presorting, material          | PBT nature                |
| Insulating plate, material              | PC white                  |
| Insulation body, material               | PC white                  |
| PCB, material                           | FR4, tin-plated           |
| Contact spring, material                | Spring steel, gold plated |
| IDC, material                           | Copper alloy, tin-plated  |

Technical drawing



|                           |                                   |   |
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## Standards / Approvals

|  |                   |
|--|-------------------|
| Mounting rail TH35   | DIN 60715         |
| Product standard, RJ45-connector                             | IEC 60603-7-5     |
| Generic cabling for customer premises – General requirements | ISO/IEC 11801     |
| POE+   | acc. IEEE 802.3at |
| 4PPoE  | acc. IEEE 802.3bt |

## Application range

Automation, industrial machinery and plant engineering

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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