

UM-EC28-R - Termination board

2956709

<https://www.phoenixcontact.com/us/products/2956709>



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Termination board, connection 1: Screw connection, connection 2: ELCO connector 1x 28-position (Pin strip, Type 8027, right)



Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2956709 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C422 |
| Product key | DK2186 |
| GTIN | 4017918085926 |
| Weight per piece (including packing) | 289.4 g |
| Weight per piece (excluding packing) | 272.78 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|-----------------------|
| Product type | Interface module |
| Number of positions | 28 |
| Operating mode | 100% operating factor |

Insulation characteristics: Air clearances and creepage distances

| | |
|----------------------|-----------------------|
| Insulation | Functional insulation |
| Overvoltage category | II |
| Pollution degree | 2 |

Electrical properties

| | |
|------------------------------------|----------------|
| Max. permissible operating voltage | 250 V AC/DC |
| Max. permissible current | 3 A (per path) |
| Max. permissible total current | 84 A |

Air clearances and creepage distances

| | |
|--------------------------|--------|
| Rated insulation voltage | 260 V |
| Rated surge voltage | 2.5 kV |

Connection data

Field level

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Controller level

| | |
|-----------------------|-----------------------------|
| Connection method | ELCO connector |
| Type | 8027 series |
| Coding | 1-1 |
| Number of connections | 1 |
| Number of positions | 28 |
| Note | Pin strip, Type 8027, right |

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Dimensions

Item dimensions

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| | |
|--------|----------|
| Width | 110.1 mm |
| Height | 111.8 mm |
| Depth | 55.8 mm |

Material specifications

| | |
|-----------------------------|-----------------------------|
| Color | green (RAL 6021) |
| Housing insulation material | Polyamide PA non-reinforced |

Environmental and real-life conditions

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP00 |
| Degree of protection (Installation location) | ≥ IP54 (Installation location) |
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

Standards and regulations

Air clearances and creepage distances

| | |
|-----------------------|------------|
| Standards/regulations | EN 60664-1 |
|-----------------------|------------|

Mounting

| | |
|-------------------|---------------------------|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

Notes

| | |
|--------------------|--|
| Notes on operation | Basic insulation is maintained against adjacent modules (in the DIN rail direction). |
| Notes on operation | Ensure that the supply voltage of the device has a common reference potential. |
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |

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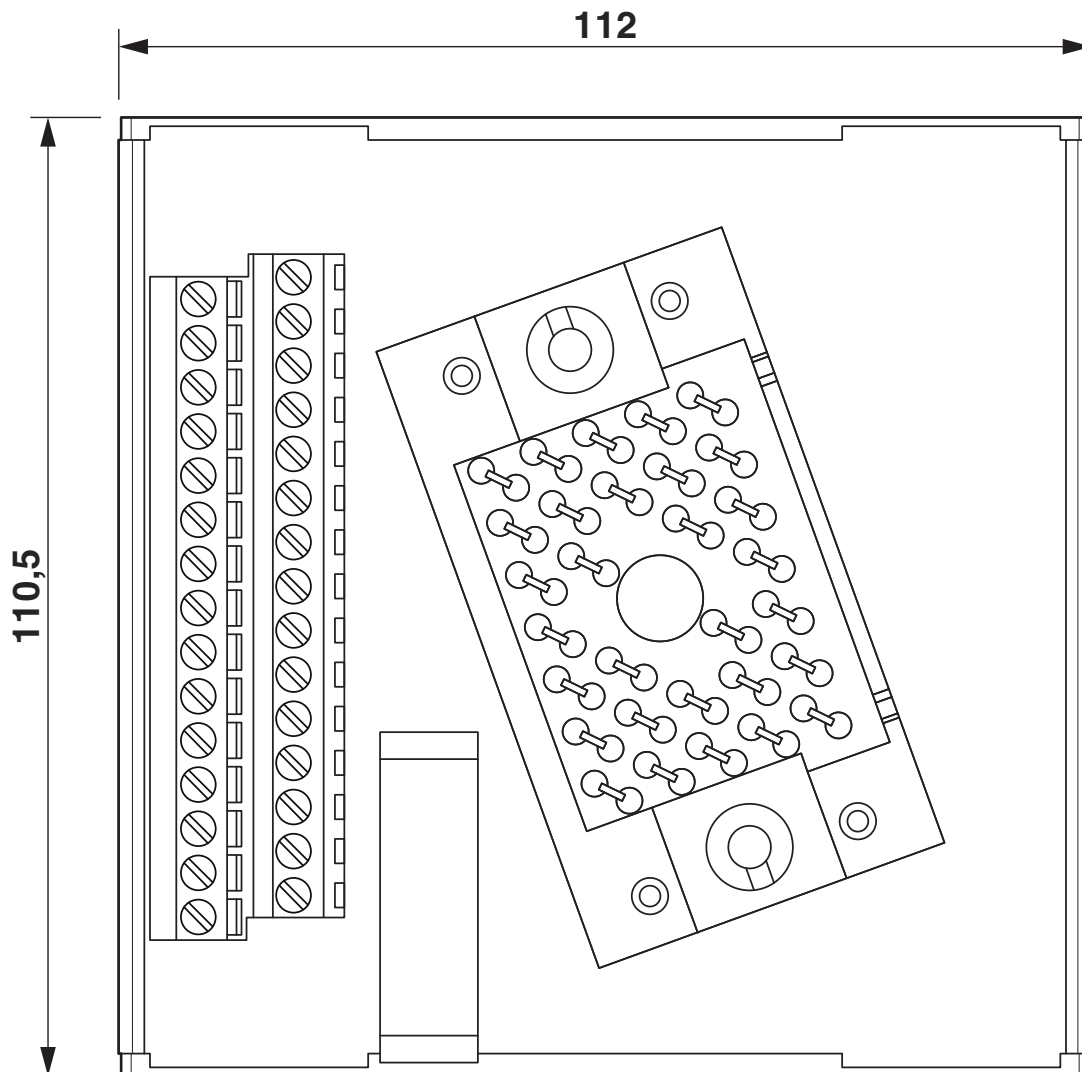
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Drawings

Dimensional drawing



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Classifications

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002780 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

| | |
|---|---|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |

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