

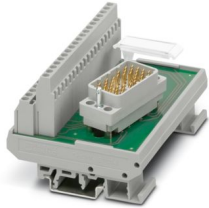
UMK- EC38/38-XOL - Termination board



2976284

<https://www.phoenixcontact.com/us/products/2976284>

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Termination board, connection 1: EDAC / ELCO pin strip 1x 38-position (ELCO pin strip type 8016/EDAC pin strip type 516, left), connection 2: Screw connection 38-position

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2976284 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C422 |
| Product key | DK2186 |
| GTIN | 4017918089313 |
| Weight per piece (including packing) | 219.7 g |
| Weight per piece (excluding packing) | 197.48 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

Technical data

Product properties

| | |
|---------------------|-----------------------|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 38 |
| Operating mode | 100% operating factor |

Insulation characteristics: Air clearances and creepage distances

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

Electrical properties

| | |
|-------------------------|-----------|
| Operating voltage (AC) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Current (per branch) | ≤ 2 A |
| Current (Total current) | ≤ 76 A |

Air clearances and creepage distances

| | |
|--------------------------|--------------------|
| Rated insulation voltage | 85 V |
| Rated surge voltage | 0.8 kV (1.2/50 μs) |

Connection data

Connection 1 (control level)

| | |
|-----------------------|--|
| Connection method | EDAC / ELCO pin strip |
| Coding | 1-1 |
| Number of connections | 1 |
| Number of positions | 38 |
| Note | ELCO pin strip type 8016/EDAC pin strip type 516, left |
| Pitch | 3.81 mm |

Connection 2 (field level)

| | |
|---|--|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Screw thread | M3 |
| Number of positions | 38 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| | 0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve) |
| | 0.25 mm ² ... 2.5 mm ² (Ferrule with plastic sleeve) |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| | 0.25 mm ² ... 0.75 mm ² (Ferrule without plastic sleeve) |

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| | |
|-----------------------------|--|
| | 0.5 mm ² ... 0.5 mm ² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 101.5 mm |
| Height | 77 mm |
| Depth | 57.32 mm |

Material specifications

| | |
|-----------------------------|-----------------------------|
| Color | gray (RAL 7042) |
| Housing insulation material | Polyamide PA non-reinforced |

Environmental and real-life conditions

Ambient conditions

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

Approvals

UKCA

| | |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

Standards and regulations

Air clearances and creepage distances

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

Mounting

| | |
|-------------------|-------------------|
| Mounting type | DIN rail mounting |
| Mounting position | any |

Notes

| | |
|--------------------|--|
| 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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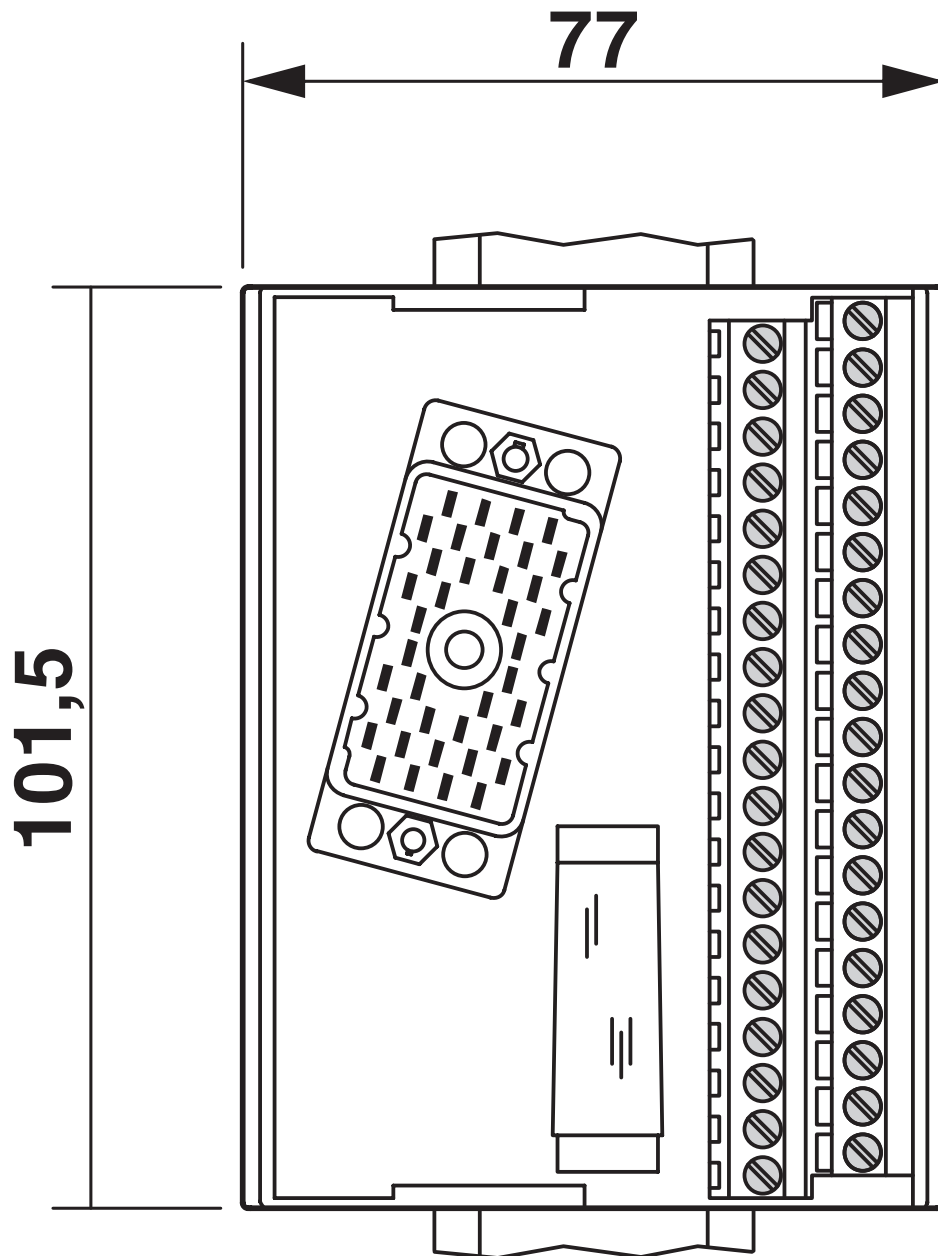


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Drawings

Dimensional drawing



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Connection diagram

| Terminal | Pin strip |
|----------|-----------|
| 1 | A |
| 2 | B |
| 3 | C |
| 4 | D |
| 5 | E |
| 6 | F |
| 7 | H |
| 8 | J |
| 9 | K |
| 10 | L |
| 11 | M |
| 12 | N |
| 13 | P |
| 14 | R |
| 15 | S |
| 16 | T |
| 17 | U |
| 18 | V |
| 19 | W |
| 20 | X |
| 21 | Y |
| 22 | Z |
| 23 | AA |
| 24 | BB |
| 25 | DD |
| 26 | EE |
| 27 | FF |
| 28 | HH |
| 29 | JJ |
| 30 | KK |
| 31 | LL |
| 32 | MM |
| 33 | NN |
| 34 | PP |
| 35 | RR |
| 36 | SS |
| 37 | TT |
| CC | CC |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002780 |
|-----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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