

UM-EC56/56/KDS3-PMT/XUR - Termination board



2976640

<https://www.phoenixcontact.com/us/products/2976640>

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Termination board, connection 1: EDAC / ELCO pin strip 1x 56-position (ELCO pin strip type 8016/EDAC pin strip type 516, right), connection 2: Screw connection with disconnect knife 55-position

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2976640 |
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Product key | DK2A86 |
| GTIN | 4017918089412 |
| Weight per piece (including packing) | 572.3 g |
| Weight per piece (excluding packing) | 516.93 g |
| Country of origin | DE |

Technical data

Product properties

| | |
|---------------------|------------------|
| Product type | Interface module |
| Number of positions | 56 |

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) | ≤ 50 V |
| Current (per branch) | ≤ 2 A |
| Current (Total current) | ≤ 55 A |

Air clearances and creepage distances

| | |
|--------------------------|--------------------|
| Rated insulation voltage | 50 V |
| Rated surge voltage | 0.5 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 | 56 |
| Note | ELCO pin strip type 8016/EDAC pin strip type 516, right |
| Pitch | 3.81 mm |

Connection 2 (field level)

| | |
|---|--|
| Connection method | Screw connection with disconnect knife |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of positions | 55 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 4 mm² |
| | 0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve) |
| | 0.25 mm² ... 1.5 mm² (Ferrule with plastic sleeve) |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm² ... 1 mm² |
| | 0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 1 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |

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| | |
|-------------------|-------------------|
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|--------|
| Width | 180 mm |
| Height | 111 mm |
| Depth | 49 mm |

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 |

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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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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Environmental product compliance

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|---|--|
| 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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