

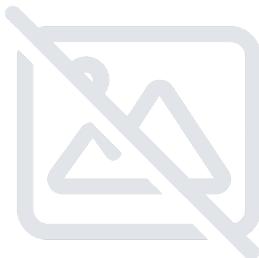
# UM-EC56/56/KDS3-PMT/XUR - Termination board

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 |
| Overtoltage 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 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                      |
| Conductor cross-section rigid (2 conductors with same cross section)    | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>                                      |
| Conductor cross-section flexible  | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                      |
|   | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)  |
|   | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)     |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>                                      |
|   | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve) |
|   | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup> (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. |
|--------------------|--|

## Classifications

### ECLASS

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

### 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, 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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