

CABLE-EC56/F/OE/0,34/S/ 6,0M - Cable



2903398

<https://www.phoenixcontact.com/us/products/2903398>

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Assembled shielded round cable; connection 1: Single wires (56-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: EDAC/ELCO socket strip (1x 56-position); cable length: 6 m



Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2903398 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DK2281 |
| GTIN | 4046356734721 |
| Weight per piece (including packing) | 333.33 g |
| Weight per piece (excluding packing) | 333.33 g |
| Country of origin | DE |

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Technical data

Product properties

| Product type | System cable |
|--------------|--------------|
|--------------|--------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Electrical properties

| | |
|---|---------|
| Max. permissible operating voltage | 25 V AC |
| | 60 V DC |
| Max. current carrying capacity per path | 1.5 A |

Cable/line

| | |
|--------------|-----|
| Cable length | 6 m |
|--------------|-----|

56X0.34 [PVC]

| | |
|---------------------------------|---|
| UL AWM Style | 2464/1061 |
| Number of positions | 56 |
| Shielded | yes |
| Cable type | 56X0.34 [PVC] |
| Conductor type | Assembled shielded round cable |
| Conductor structure signal line | 19x 0.15 mm |
| AWG signal line | 22 |
| Conductor cross section | 56x 0.34 mm ² |
| Wire diameter incl. insulation | 1.3 mm ±0.05 mm |
| External cable diameter | 14.10 mm ±0.5 mm |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |
| Conductor material | Bare Cu litz wires |
| Cable resistance | ≤ 60 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (at 20 °C) |
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free | no |
| Flame resistance | IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable) IEC 60332-3-22 (raw cable) |
| | UL VW-1 |
| | CSA FT-1 |
| Resistance to oil | can withstand occasional splashes (raw cable) |

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Connection data

Field level

| | |
|-----------------------|------------------------|
| Connection method | EDAC/ELCO socket strip |
| Number of connections | 1 |
| Number of positions | 56 |

Controller level

| | |
|---------------------|--|
| Connection method | Single wires |
| Number of positions | 56 |
| Note | The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end. |

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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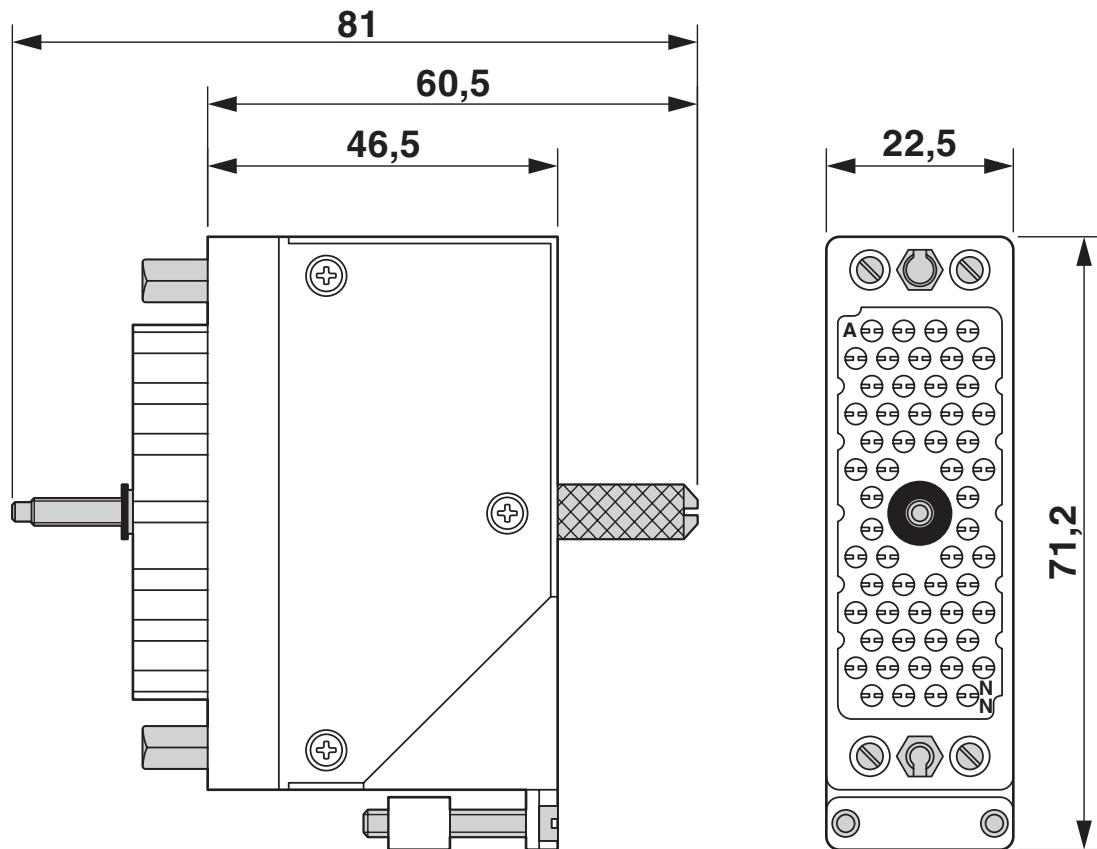
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Drawings

Dimensional drawing



Connection diagram

| Individual wire marking | EDAC socket plug-in connector | Individual wire marking | EDAC socket plug-in connector |
|-------------------------------|-------------------------------------|-------------------------------|-------------------------------------|
| Z | Z | 31 | m |
| 1 | A | 32 | n |
| 2 | B | 33 | p |
| 3 | C | 34 | r |
| 4 | D | 35 | s |
| 5 | E | 36 | t |
| 6 | F | 37 | u |
| 7 | H | 38 | v |
| 8 | J | 39 | w |
| 9 | K | 40 | x |
| 10 | L | 41 | y |
| 11 | M | 42 | z |
| 12 | N | 43 | AA |
| 13 | P | 44 | BB |
| 14 | R | 45 | CC |
| 15 | S | 46 | DD |
| 16 | T | 47 | EE |
| 17 | U | 48 | FF |
| 18 | V | 49 | HH |
| 19 | W | 50 | JJ |
| 20 | X | 51 | KK |
| 21 | a | 52 | LL |
| 22 | b | 53 | MM |
| 23 | c | 54 | NN |
| 24 | d | Y | Y |
| 25 | | | |
| 26 | | | |
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Environmental product compliance

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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