

Cable - CABLE-D-50SUB/M/OE/0,25/S/2,0M - 2926674

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Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 50-position); cable length: 2 m

Your advantages

- ✓ Individual wire marking: 1, 2, 3, 4, etc.
- ✓ Individual wires fitted with ferrules
- ✓ Connector according to IEC 60807-2/DIN 41652
- ✓ Open end at one end
- ✓ Shield connection: H05V-K 1 mm² cable, black, 0.5 m in length
- ✓ Screw connection: 2 UNC 4-40 screws
- ✓ 1:1 connection
- ✓ D-SUB socket or pin strip at one end



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 548281 |
| GTIN | 4046356548281 |

Technical data

Ambient conditions

| | |
|---|--|
| Ambient temperature (operation) | -40 °C ... 70 °C (fixed installation) |
| | -10 °C ... 70 °C (flexible installation) |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Maximum altitude | ≤ 2000 m |
| Degree of protection | IP20 |
| | ≥ IP54 (Installation location) |

General

| | |
|------------------------------------|---------|
| Max. permissible operating voltage | 25 V AC |
|------------------------------------|---------|

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Technical data

General

| | |
|---|--|
| | 60 V DC |
| Max. current carrying capacity per path | 2 A (see to derating) |
| Length of cable | 2 m |
| External cable diameter | 12.4 mm ±0.5 mm |
| Single wire, cross section | 0.25 mm ² |
| Single wire, cross section [AWG] | 24 |
| Single wire, number of litz wires | 14 |
| Single wire, material | Cu uninsulated |
| Wire diameter incl. insulation | 1.2 mm ±0.05 mm |
| Smallest bending radius, fixed installation | 106 mm |
| Smallest bending radius, movable installation | 200 mm |
| Bending cycles | 5000 (at a radius of ≥ 15x outside diameter) |
| Shielding | yes |
| | Tinned copper-braided shield, approx. 85% covering |
| Cable insulation resistance | ≥ 20 MΩ/km (at 20 °C) |
| Cable resistance | ≤ 80 Ω/km (at 20 °C) |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |
| Nominal operating mode | 100% operating factor |

Connection data

| | |
|-----------------------------|-----------------|
| Connection name | Field level |
| Connection method | D-SUB pin strip |
| Number of connections | 1 |
| Number of positions | 50 |
| Torque | 0.2 Nm |
| Insertion/withdrawal cycles | > 200 |

Connection data 2

| | |
|---------------------|--|
| Connection name | Controller level |
| Connection method | Single wires |
| Number of positions | 50 |
| Note | The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end. |

Standards and Regulations

| | |
|---------------------|-----------------------------|
| Flame resistance | UL VW-1 |
| | CSA FT-1 |
| | IEC 60332-1-2 |
| | VDE 0842, Part 332-1-2 |
| | IEC 60332-3-22 |
| Resistance to oil | against occasional splashes |
| Gasoline resistance | against occasional splashes |

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Technical data

Standards and Regulations

| | |
|----------------------------------|---------------------------------------|
| Connection in acc. with standard | CUL |
| Designation | Air clearances and creepage distances |
| Standards/regulations | DIN EN 50178 |
| Rated insulation voltage | 125 V |
| Rated surge voltage | 1.2 kV |
| Insulation | Functional insulation |
| Pollution degree | 2 |
| Overvoltage category | II |

Supported controller

| | |
|------------|-----------|
| Controller | universal |
|------------|-----------|

Color code

| | |
|---|-----------------------------|
| Connector 1 = connector 2 (optional) = wire color | D-SUB50 (1) = white |
| | D-SUB50 (2) = brown |
| | D-SUB50 (3) = green |
| | D-SUB50 (4) = yellow |
| | D-SUB50 (5) = gray |
| | D-SUB50 (6) = pink |
| | D-SUB50 (7) = blue |
| | D-SUB50 (8) = red |
| | D-SUB50 (9) = black |
| | D-SUB50 (10) = violet |
| | D-SUB50 (11) = gray-pink |
| | D-SUB50 (12) = red-blue |
| | D-SUB50 (13) = white-green |
| | D-SUB50 (14) = brown-green |
| | D-SUB50 (15) = white-yellow |
| | D-SUB50 (16) = yellow-brown |
| | D-SUB50 (17) = white-gray |
| | D-SUB50 (18) = gray-brown |
| | D-SUB50 (19) = white-pink |
| | D-SUB50 (20) = pink-brown |
| | D-SUB50 (21) = white-blue |
| | D-SUB50 (22) = brown-blue |
| | D-SUB50 (23) = white-red |
| | D-SUB50 (24) = brown-red |
| | D-SUB50 (25) = white-black |
| | D-SUB50 (26) = brown-black |
| | D-SUB50 (27) = gray-green |
| | D-SUB50 (28) = yellow-gray |
| | D-SUB50 (29) = pink-green |

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Technical data

Color code

| | |
|--|-----------------------------------|
| | D-SUB50 (30) = yellow-pink |
| | D-SUB50 (31) = green-blue |
| | D-SUB50 (32) = yellow-blue |
| | D-SUB50 (33) = green-red |
| | D-SUB50 (34) = yellow-red |
| | D-SUB50 (35) = green-black |
| | D-SUB50 (36) = yellow-black |
| | D-SUB50 (37) = gray-blue |
| | D-SUB50 (38) = pink-blue |
| | D-SUB50 (39) = gray-red |
| | D-SUB50 (40) = pink-red |
| | D-SUB50 (41) = gray-black |
| | D-SUB50 (42) = pink-black |
| | D-SUB50 (43) = blue-black |
| | D-SUB50 (44) = red-black |
| | D-SUB50 (45) = white-brown-black |
| | D-SUB50 (46) = yellow-green-black |
| | D-SUB50 (47) = gray-pink-black |
| | D-SUB50 (48) = blue-red-black |
| | D-SUB50 (49) = white-green-black |
| | D-SUB50 (50) = green-brown-black |

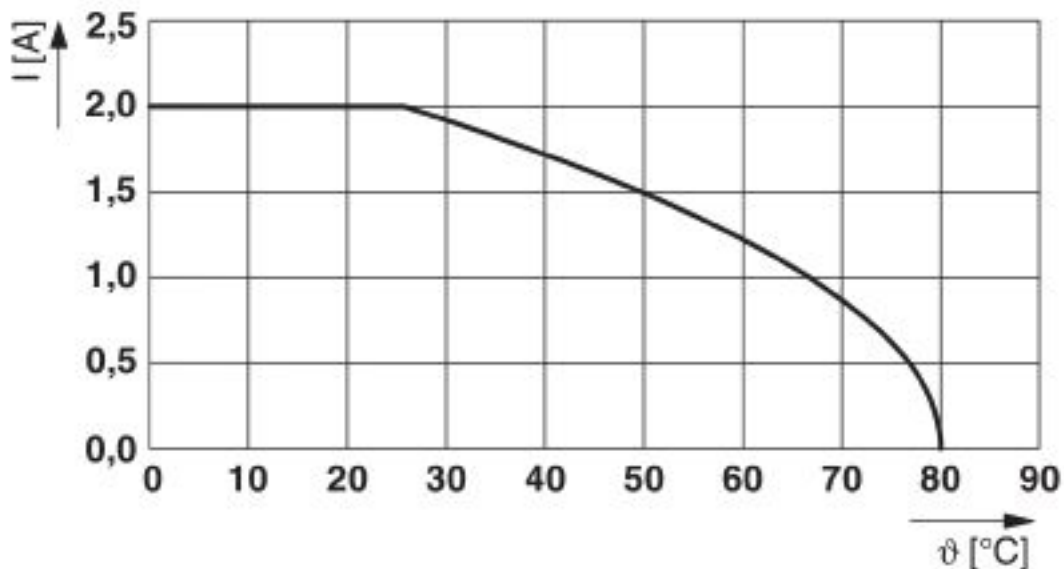
Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Cable - CABLE-D-50SUB/M/OE/0,25/S/2,0M - 2926674

Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242220 |
| eCl@ss 4.0 | 27060300 |
| eCl@ss 4.1 | 27060300 |
| eCl@ss 5.0 | 27242200 |
| eCl@ss 5.1 | 27242200 |
| eCl@ss 6.0 | 27249200 |
| eCl@ss 7.0 | 27249205 |
| eCl@ss 8.0 | 27249205 |
| eCl@ss 9.0 | 27242220 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |
| ETIM 6.0 | EC000237 |
| ETIM 7.0 | EC000237 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11 | 26121620 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2 | 26121620 |
| UNSPSC 18.0 | 26121620 |
| UNSPSC 19.0 | 26121620 |
| UNSPSC 20.0 | 26121620 |
| UNSPSC 21.0 | 26121620 |

Approvals


Approvals


Approvals


CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details


| | | | |
|--------------------|---|---|----------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 70002966 |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 1 A | |

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 2 A | |

| | | | |
|--------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 2 A | |

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Approvals

| | | |
|-----|---|------------------------|
| EAC |  | RU* DE.HB*35.B00385 |
|-----|---|------------------------|

| | |
|------------------|---|
| cULus Recognized |  |
|------------------|---|

Accessories

Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

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[SHD15P15S-036](#) [SHD15P15S-060](#) [ACL-10137-2MM](#) [RB09P09P-024](#) [319285-3](#) [RS422-OM2](#) [SHD26P26S-060](#) [SHD44P44S-036](#) [73-](#)
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