

## Cable - CABLE-D-37SUB/F/OE/0,25/S/6,0M - 2926289

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 6 m

### Your advantages

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



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 546898 |
| GTIN         | 4046356546898                                                                                           |

### 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                               | 6 m                                                |
| External cable diameter                       | 10.8 mm $\pm$ 0.5 mm                               |
| Single wire, cross section                    | 0.25 mm <sup>2</sup>                               |
| 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 $\pm$ 0.05 mm                               |
| Smallest bending radius, fixed installation   | 90 mm                                              |
| Smallest bending radius, movable installation | 170 mm                                             |
| Bending cycles                                | 5000 (at a radius of $\geq$ 15x outside diameter)  |
| Shielding                                     | yes                                                |
|                                               | Tinned copper-braided shield, approx. 85% covering |
| Cable insulation resistance                   | $\geq$ 20 M $\Omega$ /km (at 20 °C)                |
| Cable resistance                              | $\leq$ 80 $\Omega$ /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 socket strip |
| Number of connections       | 1                  |
| Number of positions         | 37                 |
| Torque                      | 0.2 Nm             |
| Insertion/withdrawal cycles | > 200              |

#### Connection data 2

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| Connection name     | Controller level                                                                                     |
| Connection method   | Single wires                                                                                         |
| Number of positions | 37                                                                                                   |
| 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-SUB37 (1) = white         |
|                                                   | D-SUB37 (2) = brown         |
|                                                   | D-SUB37 (3) = green         |
|                                                   | D-SUB37 (4) = yellow        |
|                                                   | D-SUB37 (5) = gray          |
|                                                   | D-SUB37 (6) = pink          |
|                                                   | D-SUB37 (7) = blue          |
|                                                   | D-SUB37 (8) = red           |
|                                                   | D-SUB37 (9) = black         |
|                                                   | D-SUB37 (10) = violet       |
|                                                   | D-SUB37 (11) = gray-pink    |
|                                                   | D-SUB37 (12) = red-blue     |
|                                                   | D-SUB37 (13) = white-green  |
|                                                   | D-SUB37 (14) = brown-green  |
|                                                   | D-SUB37 (15) = white-yellow |
|                                                   | D-SUB37 (16) = yellow-brown |
|                                                   | D-SUB37 (17) = white-gray   |
|                                                   | D-SUB37 (18) = gray-brown   |
|                                                   | D-SUB37 (19) = white-pink   |
|                                                   | D-SUB37 (20) = pink-brown   |
|                                                   | D-SUB37 (21) = white-blue   |
|                                                   | D-SUB37 (22) = brown-blue   |
|                                                   | D-SUB37 (23) = white-red    |
|                                                   | D-SUB37 (24) = brown-red    |
|                                                   | D-SUB37 (25) = white-black  |
|                                                   | D-SUB37 (26) = brown-black  |
|                                                   | D-SUB37 (27) = gray-green   |
|                                                   | D-SUB37 (28) = yellow-gray  |
|                                                   | D-SUB37 (29) = pink-green   |

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### Technical data

#### Color code

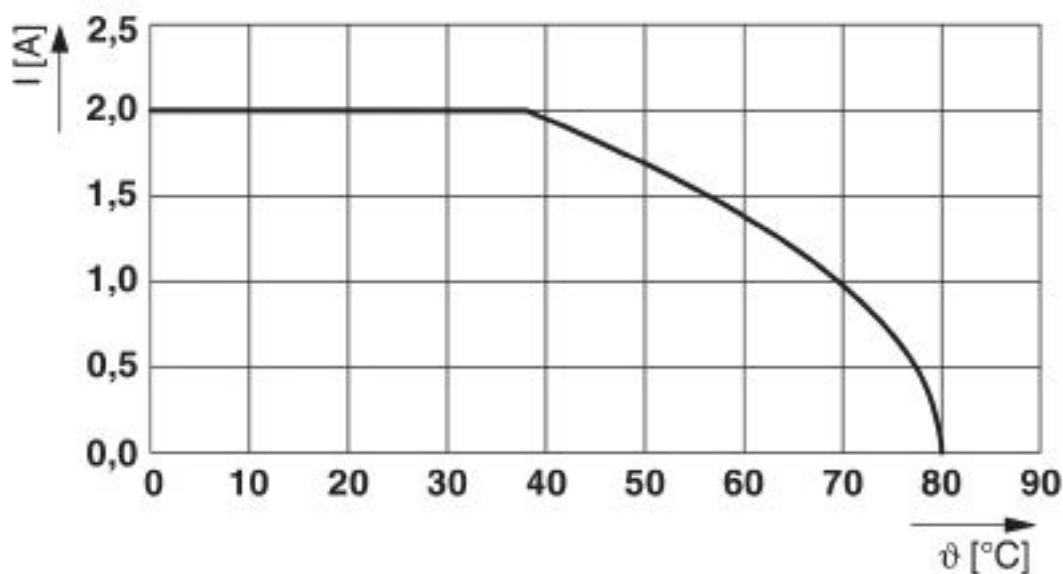
|  |                             |
|--|-----------------------------|
|  | D-SUB37 (30) = yellow-pink  |
|  | D-SUB37 (31) = green-blue   |
|  | D-SUB37 (32) = yellow-blue  |
|  | D-SUB37 (33) = green-red    |
|  | D-SUB37 (34) = yellow-red   |
|  | D-SUB37 (35) = green-black  |
|  | D-SUB37 (36) = yellow-black |
|  | D-SUB37 (37) = gray-blue    |

#### 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

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 |

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### Classifications

#### eCl@ss

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

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##### Approvals

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

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##### Ex Approvals

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#### Approval details

## Cable - CABLE-D-37SUB/F/OE/0,25/S/6,0M - 2926289

### Approvals

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

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

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

|     |                                                                                     |                        |  |
|-----|-------------------------------------------------------------------------------------|------------------------|--|
| EAC |  | RU*<br>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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