

## Cable - CABLE-D37SUB/B/B/2000/KONFEK/S - 2900764


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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 20 m



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 529075 |
| GTIN         | 4046356529075   |

### 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               |
|   | 60 V DC               |
| Max. current carrying capacity per path | 2 A (see to derating) |
| Length of cable                         | 20 m                  |
| External cable diameter                 | 10.8 mm ±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 ±0.05 mm       |

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### Technical data

#### General

|   |  |
|---|--|
| 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                   | $\geq 20 \text{ M}\Omega/\text{km}$ (at 20 °C)     |
| Cable resistance                              | $\leq 80 \text{ }\Omega/\text{km}$ (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           | D-SUB socket strip |
| Number of connections       | 1                  |
| Number of positions         | 37                 |
| Torque                      | 0.2 Nm             |
| Insertion/withdrawal cycles | > 200              |

#### 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           |
| 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                                     |

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## Technical data

### Standards and Regulations

|                      |    |
|----------------------|----|
| Overvoltage category | II |
|----------------------|----|

### Supported controller

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

### Color code

|   |  |
|---|--|
| Connector 1 = connector 2 (optional) = wire color | D-SUB37 (1) = D-SUB37 (1) = white          |
|   | D-SUB37 (2) = D-SUB37 (2) = brown          |
|   | D-SUB37 (3) = D-SUB37 (3) = green          |
|   | D-SUB37 (4) = D-SUB37 (4) = yellow         |
|   | D-SUB37 (5) = D-SUB37 (5) = gray           |
|   | D-SUB37 (6) = D-SUB37 (6) = pink           |
|   | D-SUB37 (7) = D-SUB37 (7) = blue           |
|   | D-SUB37 (8) = D-SUB37 (8) = red            |
|   | D-SUB37 (9) = D-SUB37 (9) = black          |
|   | D-SUB37 (10) = D-SUB37 (10) = violet       |
|   | D-SUB37 (11) = D-SUB37 (11) = gray-pink    |
|   | D-SUB37 (12) = D-SUB37 (12) = red-blue     |
|   | D-SUB37 (13) = D-SUB37 (13) = white-green  |
|   | D-SUB37 (14) = D-SUB37 (14) = brown-green  |
|   | D-SUB37 (15) = D-SUB37 (15) = white-yellow |
|   | D-SUB37 (16) = D-SUB37 (16) = yellow-brown |
|   | D-SUB37 (17) = D-SUB37 (17) = white-gray   |
|   | D-SUB37 (18) = D-SUB37 (18) = gray-brown   |
|   | D-SUB37 (19) = D-SUB37 (19) = white-pink   |
|   | D-SUB37 (20) = D-SUB37 (20) = pink-brown   |
|   | D-SUB37 (21) = D-SUB37 (21) = white-blue   |
|   | D-SUB37 (22) = D-SUB37 (22) = brown-blue   |
|   | D-SUB37 (23) = D-SUB37 (23) = white-red    |
|   | D-SUB37 (24) = D-SUB37 (24) = brown-red    |
|   | D-SUB37 (25) = D-SUB37 (25) = white-black  |
|   | D-SUB37 (26) = D-SUB37 (26) = brown-black  |
|   | D-SUB37 (27) = D-SUB37 (27) = gray-green   |
|   | D-SUB37 (28) = D-SUB37 (28) = yellow-gray  |
|   | D-SUB37 (29) = D-SUB37 (29) = pink-green   |
|   | D-SUB37 (30) = D-SUB37 (30) = yellow-pink  |
|   | D-SUB37 (31) = D-SUB37 (31) = green-blue   |
|   | D-SUB37 (32) = D-SUB37 (32) = yellow-blue  |
|   | D-SUB37 (33) = D-SUB37 (33) = green-red    |
|   | D-SUB37 (34) = D-SUB37 (34) = yellow-red   |
|   | D-SUB37 (35) = D-SUB37 (35) = green-black  |
|   | D-SUB37 (36) = D-SUB37 (36) = yellow-black |

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## Technical data

### Color code

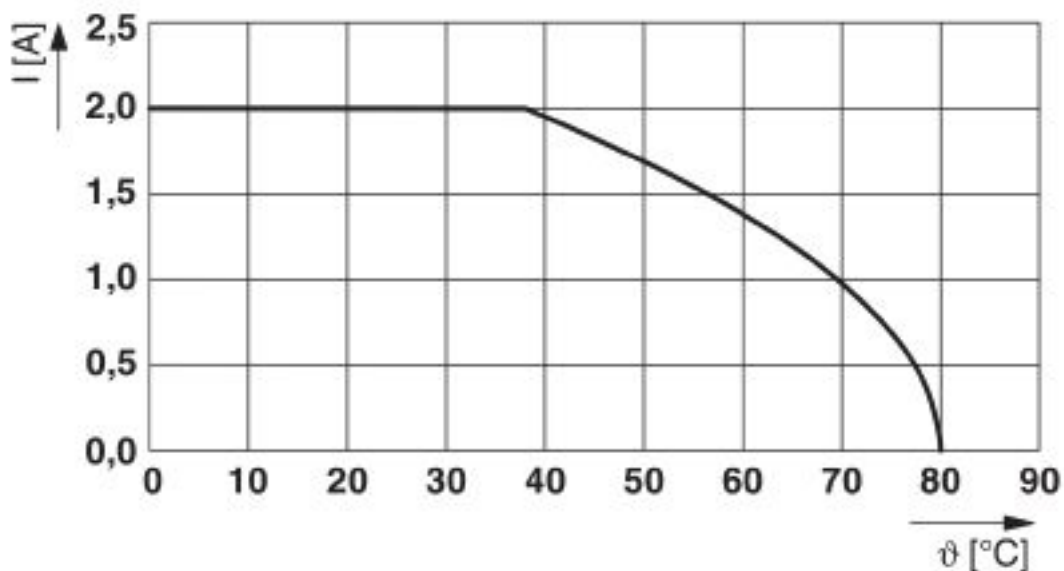
|  |   |
|--|---|
|  | D-SUB37 (37) = D-SUB37 (37) = gray-blue |
|--|---|

### 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 |
| 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 |

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## Classifications

### 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

#### Approvals

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

#### Ex Approvals

### Approval details

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

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## Approvals

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

# Mouser Electronics

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