

## Cable - CABLE-D37SUB/B/B/HF/S/40,0M - 2908529

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 40 m



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4055626306650                                                                        |

### 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                         | 40 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 $\geq 15 \times$ outside diameter) |
| Shielding                                     | yes                                                     |
|                                               | Tinned copper braided shield                            |
| 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                        | Halogen-free sheath                                     |
| External sheath, color                        | gray                                                    |
| Nominal operating mode                        | 100% operating factor                                   |

### Connection data

|                             |                    |
|-----------------------------|--------------------|
| Connection name             | Field level        |
| Connection method           | D-SUB socket strip |
| Screw thread                | UNC 4-40           |
| 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 |
| Screw thread                | UNC 4-40           |
| Number of connections       | 1                  |
| Number of positions         | 37                 |
| Torque                      | 0.2 Nm             |
| Insertion/withdrawal cycles | > 200              |

### Standards and Regulations

|                          |                                       |
|--------------------------|---------------------------------------|
| Flame resistance         | 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           |
| 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                                    |

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### Technical data

#### Supported controller

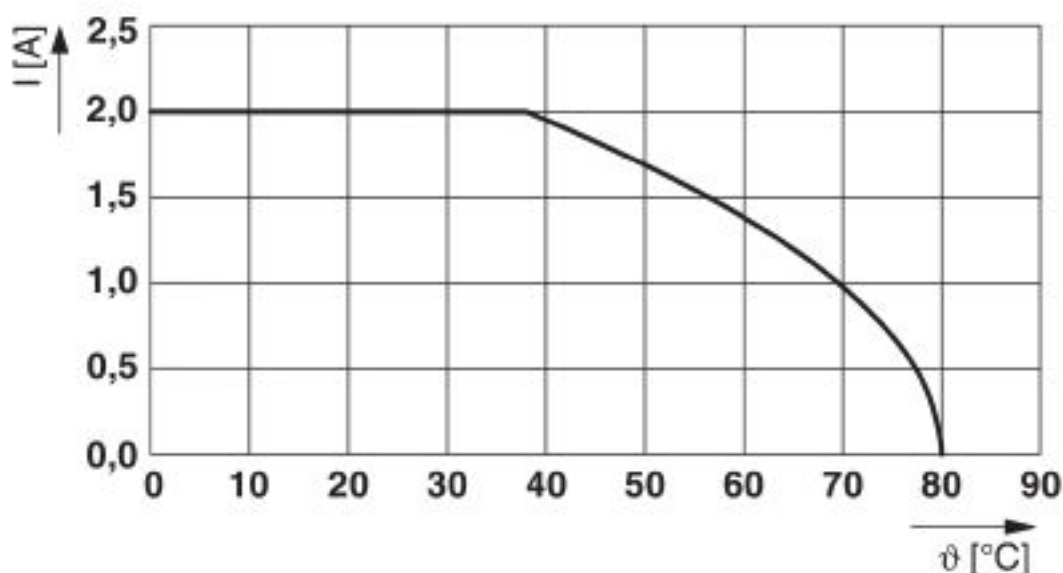
|            |           |
|------------|-----------|
| Controller | universal |
|------------|-----------|

#### 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 |                                                                                   | 1 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 |                                                                                   | 1 A                                                                                                                                                   |               |

|     |                                                                                    |                         |
|-----|------------------------------------------------------------------------------------|-------------------------|
| EAC |  | RU*-<br>DE.HB*35.B00385 |
|-----|------------------------------------------------------------------------------------|-------------------------|

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

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