

CABLE-D15SUB/B/S/600/KONFEK/S - Cable



2302117

<https://www.phoenixcontact.com/us/products/2302117>

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 6 m

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2302117 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | CK2252 |
| Catalog page | Page 570 (C-5-2019) |
| GTIN | 4017918893071 |
| Weight per piece (including packing) | 687 g |
| Weight per piece (excluding packing) | 638.5 g |
| Customs tariff number | 85444290 |
| Country of origin | HU |

Technical data

Product properties

| | |
|------------------------|--------------|
| Product type | System cable |
| Data management status | |
| Article revision | 05 |

Environmental and real-life conditions

Ambient conditions

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

Electrical properties

| | |
|------------------------|--------------------------------|
| Operating voltage (AC) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Nominal operating mode | 100% operating factor |
| Current (Per path) | ≤ 2 A (Uncoiled, see derating) |

Cable/line

| | |
|-----------------------------------------------|--------------------------------|
| Cable length | 6 m |
| 15X0.25 [PVC] | |
| UL AWM Style | 2464/1061 |
| Number of positions | 15 |
| Shielded | yes |
| Cable type | 15X0.25 [PVC] |
| Conductor type | Assembled shielded round cable |
| Conductor structure signal line | 14x 0.15 mm |
| AWG signal line | 24 |
| Conductor cross section | 15x 0.25 mm ² |
| Wire diameter incl. insulation | 1.2 mm ±0.05 mm |
| External cable diameter | 7.90 mm ±0.5 mm |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |
| Conductor material | Bare Cu litz wires |
| Cable resistance | ≤ 80 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (at 20 °C) |
| Smallest bending radius, fixed installation | 67 mm |
| Smallest bending radius, movable installation | 126 mm |

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| | |
|---------------------------------|------------------------------------------------------------------------|
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of $\geq 15x$ 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 |
| Resistance to oil | can withstand occasional splashes (raw cable) |

Color code

| | |
|--------------|-----------------------------|
| white | D-SUB15 (1) = D-SUB15 (1) |
| brown | D-SUB15 (2) = D-SUB15 (2) |
| green | D-SUB15 (3) = D-SUB15 (3) |
| yellow | D-SUB15 (4) = D-SUB15 (4) |
| gray | D-SUB15 (5) = D-SUB15 (5) |
| pink | D-SUB15 (6) = D-SUB15 (6) |
| blue | D-SUB15 (7) = D-SUB15 (7) |
| red | D-SUB15 (8) = D-SUB15 (8) |
| black | D-SUB15 (9) = D-SUB15 (9) |
| violet | D-SUB15 (10) = D-SUB15 (10) |
| gray-pink | D-SUB15 (11) = D-SUB15 (11) |
| red-blue | D-SUB15 (12) = D-SUB15 (12) |
| white-green | D-SUB15 (13) = D-SUB15 (13) |
| brown-green | D-SUB15 (14) = D-SUB15 (14) |
| white-yellow | D-SUB15 (15) = D-SUB15 (15) |

Connection data

Connection 1

| | |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2 |
| | DIN 41652 |
| Connection method | D-SUB socket strip |
| Screw thread | UNC 4-40 |
| Number of connections | 1 |
| Number of positions | 15 |
| Tightening torque | 0.2 Nm |
| Insertion/withdrawal cycles | > 200 |
| Pitch | 2.74 mm |

Connection 2

| | |
|----------------------------------|-----------------|
| Connection in acc. with standard | IEC 60807-2 |
| | DIN 41652 |
| Connection method | D-SUB pin strip |
| Screw thread | UNC 4-40 |
| Number of connections | 1 |

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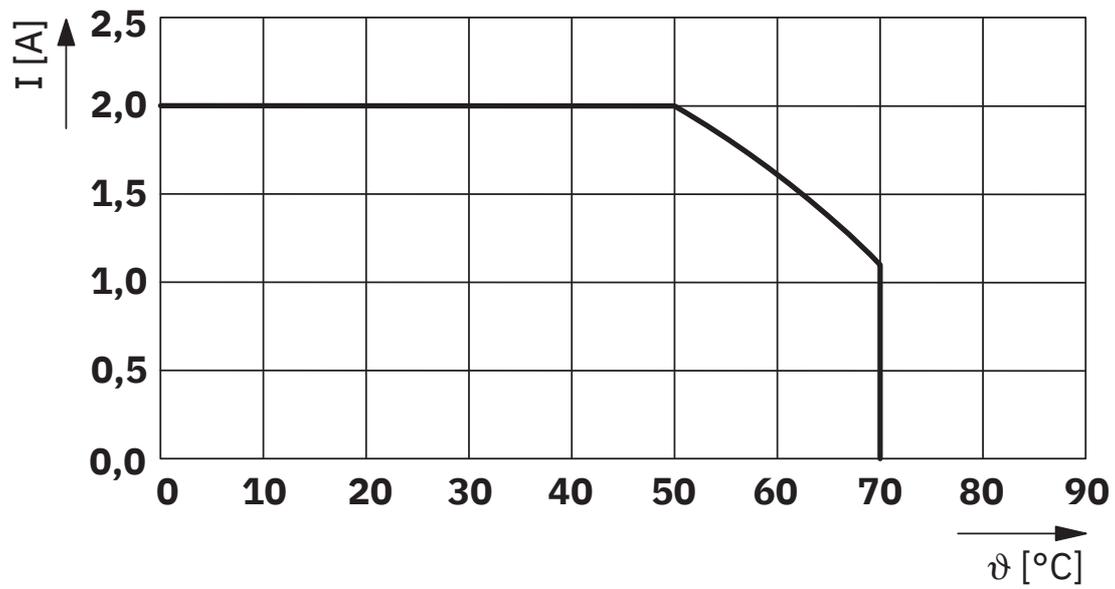
| | |
|-----------------------------|---------|
| Number of positions | 15 |
| Tightening torque | 0.2 Nm |
| Insertion/withdrawal cycles | > 200 |
| Pitch | 2.74 mm |

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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302117>

|  CSA Approval ID: 70002966 | | | | |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 125 V | 1 A | - | - |

|  cUL Recognized Approval ID: E238705 | | | | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 125 V | 2 A | - | - |

|  UL Recognized Approval ID: E238705 | | | | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 125 V | 2 A | - | - |

|  EAC Approval ID: RU*-DE.HB*35.B00385 | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27242220 |
| ECLASS-12.0 | 27242220 |
| ECLASS-13.0 | 27242220 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000237 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|-----------------------------------------|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(a) |

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.) | Lead(CAS: 7439-92-1) |
| SCIP | c2578363-64fc-4400-a6ca-0a68c928a9e0 |

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