

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 1.5 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2302146       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C421          |
| Product key                          | DK2252        |
| GTIN                                 | 4017918893101 |
| Weight per piece (including packing) | 311.4 g       |
| Weight per piece (excluding packing) | 298 g         |
| Customs tariff number                | 85444290      |
| Country of origin                    | HU            |

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | System cable |
|--------------|--------------|

### Environmental and real-life conditions

#### Ambient conditions

|   |  |
|---|--|
| Degree of protection                                    | IP20                                     |
| Degree of protection (Installation location)            | ≥ IP54 (Installation location)           |
| Ambient temperature (operation) (fixed installation)    | -40 °C ... 70 °C (fixed installation)    |
| Ambient temperature (operation) (flexible 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) |

#### Supported controller: ABB S800 I/O

|                   |       |
|-------------------|-------|
| Suitable I/O card | DI810 |
|                   | DI811 |
|                   | DI814 |
|                   | DI818 |
|                   | DI830 |
|                   | DI831 |
|                   | DI840 |
|                   | DI885 |
|                   | DO810 |
|                   | DO814 |
|                   | DO818 |
|                   | DO840 |
|                   | DP820 |
|                   | DP840 |
|                   | AI810 |
|                   | AI820 |
|                   | AI830 |
|                   | AI835 |
|                   | AI845 |
|                   | AO810 |
|                   | AO820 |

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

## Cable/line

|              |       |
|--------------|-------|
| Cable length | 1.5 m |
|--------------|-------|

### 25X0.25 [PVC]

|   |  |
|---|--|
| UL AWM Style                                  | 2464/1061  |
| Number of positions                           | 25   |
| Shielded                                      | yes  |
| Cable type                                    | 25X0.25 [PVC]  |
| Conductor type                                | Assembled shielded round cable   |
| Conductor structure signal line               | 14x 0.15 mm  |
| AWG signal line                               | 24   |
| Conductor cross-section                       | 25x 0.25 mm <sup>2</sup>   |
| Wire diameter incl. insulation                | 1.2 mm ±0.05 mm  |
| External cable diameter                       | 9.80 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   | 82 mm  |
| Smallest bending radius, movable installation | 155 mm   |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)  |
| Halogen-free                                  | no   |
| Flame resistance                              | IEC 60332-1-2 (raw cable)<br>VDE 0842, Part 332-1-2 (raw cable)<br>IEC 60332-3-22 (raw cable)<br>UL VW-1<br>CSA FT-1 |
| Resistance to oil                             | can withstand occasional splashes (raw cable)  |
| Cable type                                    | Cable for one module   |

### Color code: Single-core wire

|           |                             |
|-----------|-----------------------------|
| white     | D-SUB25 (1) = D-SUB25 (1)   |
| brown     | D-SUB25 (2) = D-SUB25 (2)   |
| green     | D-SUB25 (3) = D-SUB25 (3)   |
| yellow    | D-SUB25 (4) = D-SUB25 (4)   |
| gray      | D-SUB25 (5) = D-SUB25 (5)   |
| pink      | D-SUB25 (6) = D-SUB25 (6)   |
| blue      | D-SUB25 (7) = D-SUB25 (7)   |
| red       | D-SUB25 (8) = D-SUB25 (8)   |
| black     | D-SUB25 (9) = D-SUB25 (9)   |
| violet    | D-SUB25 (10) = D-SUB25 (10) |
| gray-pink | D-SUB25 (11) = D-SUB25 (11) |

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

|              |                             |
|--------------|-----------------------------|
| red-blue     | D-SUB25 (12) = D-SUB25 (12) |
| white-green  | D-SUB25 (13) = D-SUB25 (13) |
| brown-green  | D-SUB25 (14) = D-SUB25 (14) |
| white-yellow | D-SUB25 (15) = D-SUB25 (15) |
| yellow-brown | D-SUB25 (16) = D-SUB25 (16) |
| white-gray   | D-SUB25 (17) = D-SUB25 (17) |
| gray-brown   | D-SUB25 (18) = D-SUB25 (18) |
| white-pink   | D-SUB25 (19) = D-SUB25 (19) |
| pink-brown   | D-SUB25 (20) = D-SUB25 (20) |
| white-blue   | D-SUB25 (21) = D-SUB25 (21) |
| brown-blue   | D-SUB25 (22) = D-SUB25 (22) |
| white-red    | D-SUB25 (23) = D-SUB25 (23) |
| brown-red    | D-SUB25 (24) = D-SUB25 (24) |
| white-black  | D-SUB25 (25) = D-SUB25 (25) |

## 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              | 25                 |
| Tightening torque                | 0.2 Nm             |
| Insertion/withdrawal cycles      | > 200              |
| Pitch                            | 2.77 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               |
| Number of positions              | 25              |
| Tightening torque                | 0.2 Nm          |
| Insertion/withdrawal cycles      | > 200           |
| Pitch                            | 2.77 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

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302146>

|  <b>CSA</b><br>Approval ID: 70002966 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 125 V                 | 1 A                   | -                 | -                           |

|  <b>cUL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 125 V                 | 2 A                   | -                 | -                           |

|  <b>UL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 125 V                 | 2 A                   | -                 | -                           |

|  <b>EAC</b><br>Approval ID: RU*-DE.HB*35.B00385 |  |  |  |  |
|--|--|--|--|--|
|--|--|--|--|--|

|  <b>cULus Listed</b><br>Approval ID: E238705 V22/S5 |  |  |  |  |
|--|--|--|--|--|
|--|--|--|--|--|

# CABLE-D25SUB/B/S/150/KONFEK/S - Cable



2302146

<https://www.phoenixcontact.com/us/products/2302146>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242220 |
| ECLASS-15.0 | 27242220 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000237 |
|-----------|----------|

### UNSPSC

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

2302146

<https://www.phoenixcontact.com/us/products/2302146>

## 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                                | b2e6a119-5e48-410e-a6c6-812848712519 |

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)