

# DFLK-D25 SUB/F/FKCT - Interface module



2903067  
<https://www.phoenixcontact.com/us/products/2903067>

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The VARIOFACE feed-through module implements a 1:1 connection between plug-in push-in spring-cage connection terminal blocks and a D-SUB miniature female strip (number of positions: 25). A separate ground pick-off is available.

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2903067             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | C422                |
| Product key                          | CK21C2              |
| Catalog page                         | Page 590 (C-7-2015) |
| GTIN                                 | 4046356709460       |
| Weight per piece (including packing) | 112.367 g           |
| Weight per piece (excluding packing) | 112.367 g           |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|                     |                  |
|---------------------|------------------|
| Product type        | Interface module |
| Product family      | VARIOFACE        |
| Number of positions | 25               |

### Insulation characteristics

|            |                       |
|------------|-----------------------|
| Insulation | Functional insulation |
|------------|-----------------------|

### Insulation characteristics: Air clearances and creepage distances

|                      |                       |
|----------------------|-----------------------|
| Insulation           | Functional insulation |
| Overvoltage category | II                    |
| Pollution degree     | 2                     |

### Electrical properties

|                         |                             |
|-------------------------|-----------------------------|
| Operating voltage (AC)  | $\leq 30 \text{ V AC}$      |
| Operating voltage (DC)  | $\leq 60 \text{ V DC}$      |
| Current (per branch)    | $\leq 2.5 \text{ A}$        |
| Current (Total current) | $\leq 50 \text{ A (50 °C)}$ |

### Air clearances and creepage distances

|                          |                                |
|--------------------------|--------------------------------|
| Rated insulation voltage | 125 V                          |
| Rated surge voltage      | 1.2 kV (1.2/50 $\mu\text{s}$ ) |

### Connection data

#### Connection 1 (control level)

|                                  |                    |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2        |
| Connection method                | D-SUB socket strip |
| Screw thread                     | UNC 4-40           |
| Number of connections            | 1                  |
| Number of positions              | 25                 |
| Insertion/withdrawal cycles      | > 500              |
| Pitch                            | 2.77 mm            |

#### Connection 2 (field level)

|                                                                         |                                                                                |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Connection method                                                       | Push-in spring connection                                                      |
| Stripping length                                                        | 10 mm                                                                          |
| Number of positions                                                     | 26                                                                             |
| Conductor cross section rigid                                           | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
| Conductor cross section flexible                                        | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
|                                                                         | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)  |
|                                                                         | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)     |
| Conductor cross section flexible (2 conductors with same cross section) | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve) |

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|                             |           |
|-----------------------------|-----------|
| Conductor cross section AWG | 24 ... 12 |
| Pitch                       | 5 mm      |

## Signaling

|                        |    |
|------------------------|----|
| Status display present | No |
|------------------------|----|

## Dimensions

### Item dimensions

|        |         |
|--------|---------|
| Width  | 38 mm   |
| Height | 83.4 mm |
| Depth  | 46 mm   |

## Material specifications

|                             |                             |
|-----------------------------|-----------------------------|
| Color                       | gray (RAL 7042)             |
| Housing insulation material | Polyamide PA non-reinforced |

## Environmental and real-life conditions

### Ambient conditions

|                                              |                  |
|----------------------------------------------|------------------|
| Degree of protection (Module)                | IP20             |
| Degree of protection (Installation location) | ≥ IP54           |
| Ambient temperature (operation)              | -20 °C ... 50 °C |
| Ambient temperature (storage/transport)      | -20 °C ... 70 °C |
| Altitude                                     | ≤ 2000 m         |

## Approvals

### UKCA

|             |                |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

## Standards and regulations

### Air clearances and creepage distances

|                       |                |
|-----------------------|----------------|
| Standards/regulations | EN IEC 60664-1 |
|-----------------------|----------------|

## Mounting

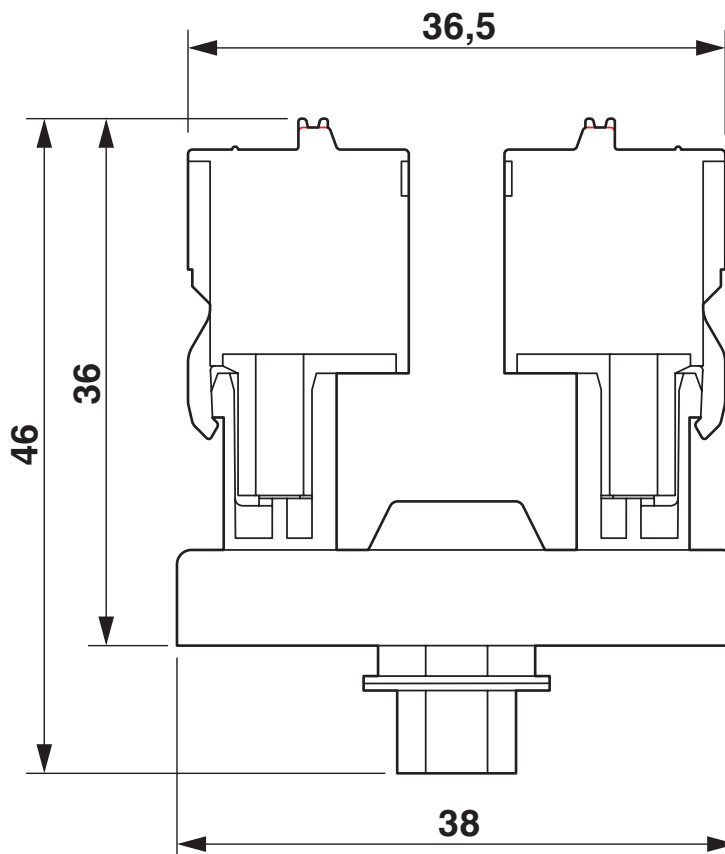
|                   |               |
|-------------------|---------------|
| Mounting type     | Rear mounting |
| Mounting position | any           |

## Notes

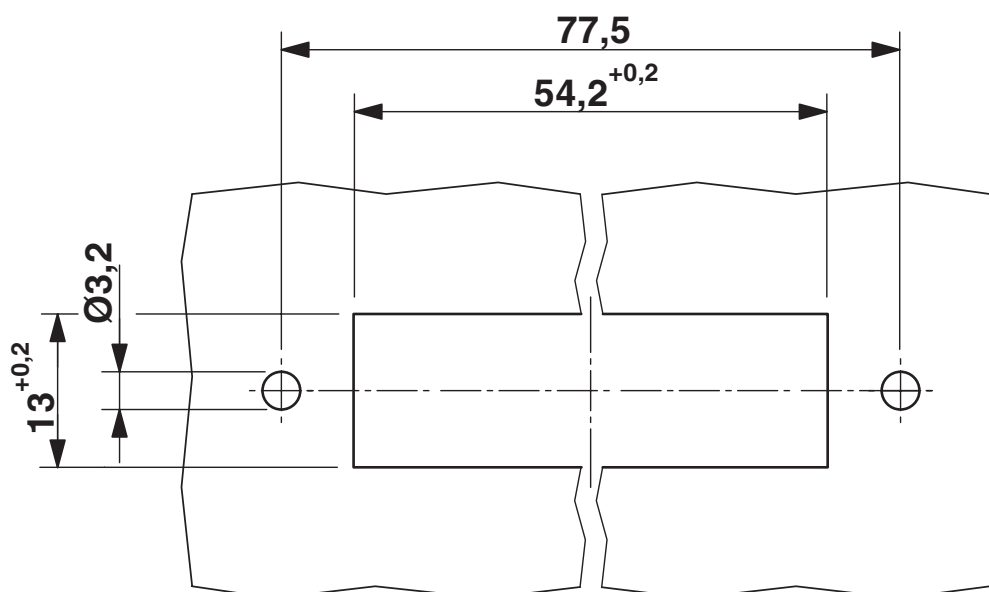
|                    |                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------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

Dimensional drawing



Dimensional drawing



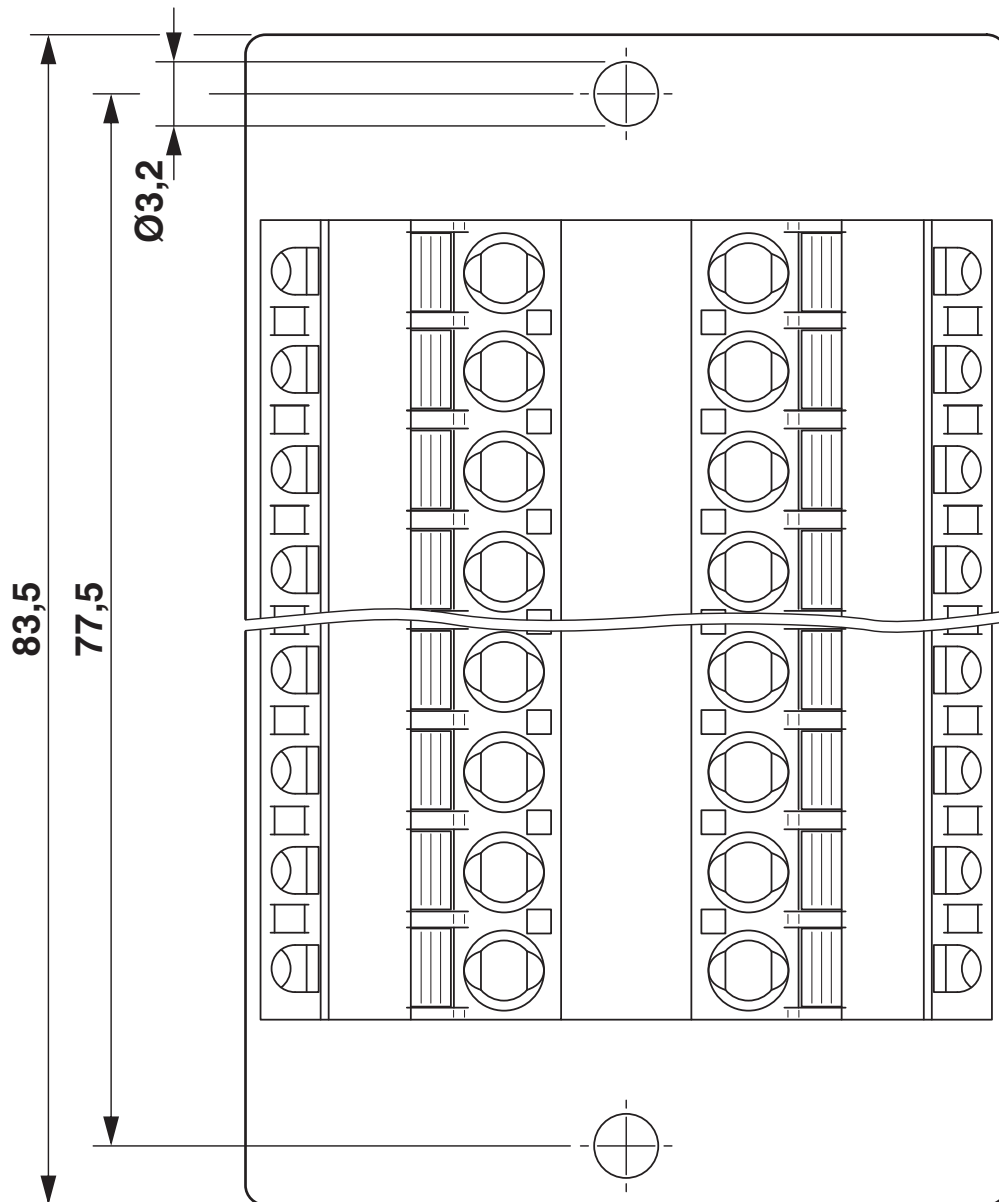
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Dimensional drawing



# DFLK-D25 SUB/F/FKCT - Interface module



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2903067>

|                                                                                                                                       |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: FILE E 238705 |                       |                       |                   |                             |
|                                                                                                                                       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                       | 125 V                 | 1 A                   | 30 - 12           | -                           |

|                                                                                                                                      |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: FILE E 238705 |                       |                       |                   |                             |
|                                                                                                                                      | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                      | 125 V                 | 1 A                   | 30 - 12           | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141152 |
| ECLASS-12.0 | 27141152 |
| ECLASS-13.0 | 27141152 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002780 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |



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## Accessories

### CABLE D-SUB-S/.../.../... - Cable

2302340

<https://www.phoenixcontact.com/us/products/2302340>



Shielded round cable, assembled with one D-SUB female and pin strip (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

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### CABLE D-SUB-S-S-S/.../.../... - Cable

2302434

<https://www.phoenixcontact.com/us/products/2302434>



Shielded round cable, assembled with two D-SUB pin strips (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

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## CABLE-D25SUB/B/S/ 50/KONFEK/S - Cable

2302120

<https://www.phoenixcontact.com/us/products/2302120>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 0.5 m

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## CABLE-D25SUB/B/S/100/KONFEK/S - Cable

2302133

<https://www.phoenixcontact.com/us/products/2302133>



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 m

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

2302146

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



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

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## CABLE-D25SUB/B/S/200/KONFEK/S - Cable

2302159

<https://www.phoenixcontact.com/us/products/2302159>



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

# DFLK-D25 SUB/F/FKCT - Interface module



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## CABLE-D25SUB/B/S/300/KONFEK/S - Cable

2302162

<https://www.phoenixcontact.com/us/products/2302162>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

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## CABLE-D25SUB/B/S/400/KONFEK/S - Cable

2302175

<https://www.phoenixcontact.com/us/products/2302175>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 4 m

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## CABLE-D25SUB/B/S/600/KONFEK/S - Cable

2302188

<https://www.phoenixcontact.com/us/products/2302188>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 6 m

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## CABLE-D25SUB/B/S/HF/S/ 1,0M - Cable

1066665

<https://www.phoenixcontact.com/us/products/1066665>



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

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## CABLE-D25SUB/B/S/HF/S/ 2,0M - Cable

1066666

<https://www.phoenixcontact.com/us/products/1066666>



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

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## CABLE-D25SUB/B/S/HF/S/ 3,0M - Cable

1066667

<https://www.phoenixcontact.com/us/products/1066667>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

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## CABLE-D25SUB-B-S-HF-S/... - Cable

1075559

<https://www.phoenixcontact.com/us/products/1075559>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: variable

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## CABLE-D-25SUB/M/OE/0,25/S/0,5M - Cable

2926506

<https://www.phoenixcontact.com/us/products/2926506>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 0.5 m

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## CABLE-D-25SUB/M/OE/0,25/S/1,0M - Cable

2926519

<https://www.phoenixcontact.com/us/products/2926519>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

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## CABLE-D-25SUB/M/OE/0,25/S/1,5M - Cable

2926522

<https://www.phoenixcontact.com/us/products/2926522>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 1.5 m



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## CABLE-D-25SUB/M/OE/0,25/S/2,0M - Cable

2926535

<https://www.phoenixcontact.com/us/products/2926535>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 2 m

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## CABLE-D-25SUB/M/OE/0,25/S/3,0M - Cable

2926548

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

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## CABLE-D-25SUB/M/OE/0,25/S/4,0M - Cable

2926551

<https://www.phoenixcontact.com/us/products/2926551>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 4 m

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

2926564

<https://www.phoenixcontact.com/us/products/2926564>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: 6 m

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## CABLE-D-25SUB-M-OE-0,25-S/... - Cable

2900911

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 25-position); cable length: variable

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