

DFLK-D37 SUB/S - Interface module



2280336
<https://www.phoenixcontact.com/us/products/2280336>

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The VARIOFACE feed-through module implements a 1:1 connection between screw connection terminal blocks and a D-SUB miniature pin strip (number of positions: 37). A separate ground pick-off is available.

Your advantages

- 9-pos. ... 50-pos.
- 50-pos.: no ground pick-off
- 9-□...□37-pos.: separate ground pick-off
- In accordance with IEC□60807-2
- 1:1 connection
- Screw connection
- D-SUB 4-40 UNC thread

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2280336 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | C422 |
| Product key | CK21C2 |
| Catalog page | Page 556 (C-5-2019) |
| GTIN | 4017918054441 |
| Weight per piece (including packing) | 128.47 g |
| Weight per piece (excluding packing) | 94.204 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|------------------|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 37 |

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) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Current (per branch) | ≤ 2.5 A |
| Current (Total current) | ≤ 50 A (50 °C) |

Air clearances and creepage distances

| | |
|--------------------------|-------------------------|
| Rated insulation voltage | 125 V |
| Rated surge voltage | 1.2 kV (1.2/50 μ s) |

Connection data

Connection 1 (control level)

| | |
|----------------------------------|-----------------|
| Connection in acc. with standard | IEC 60807-2 |
| Connection method | D-SUB pin strip |
| Screw thread | UNC 4-40 |
| Number of connections | 1 |
| Number of positions | 37 |
| Insertion/withdrawal cycles | > 500 |
| Pitch | 2.77 mm |

Connection 2 (field level)

| | |
|--|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of positions | 16 |
| Conductor cross section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| | 0.25 mm ² ... 2.5 mm ² (Ferrule without plastic sleeve) |

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| | |
|---|--|
| | 0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve) |
| Conductor cross section flexible (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| | 0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 1.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5 mm |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 39.88 mm |
| Height | 128.4 mm |
| Depth | 33.03 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 |
|--------------------|---|

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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.

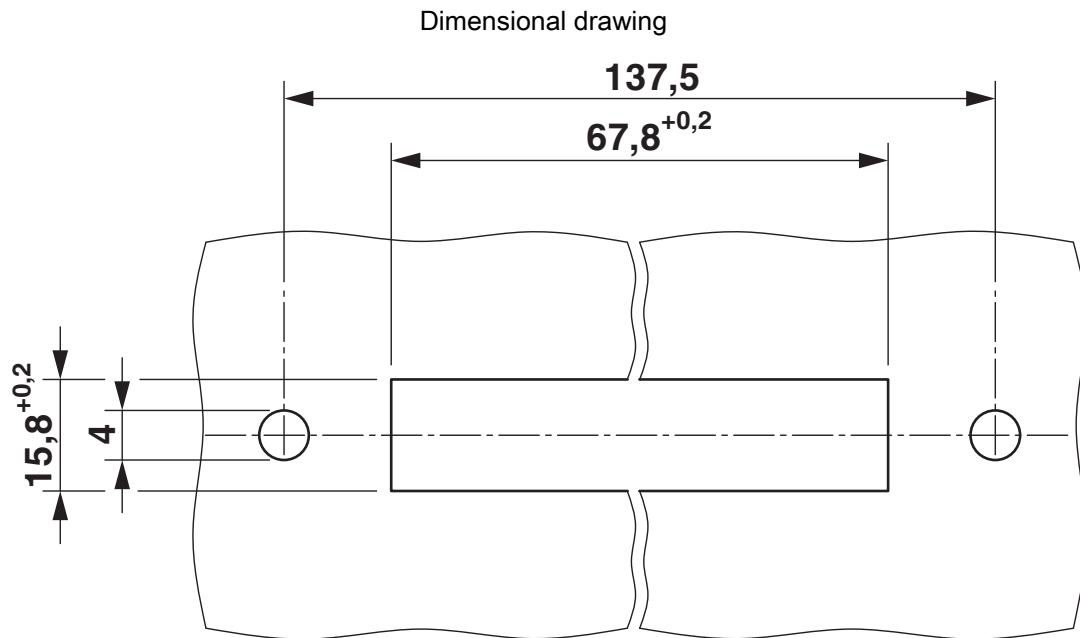
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Drawings



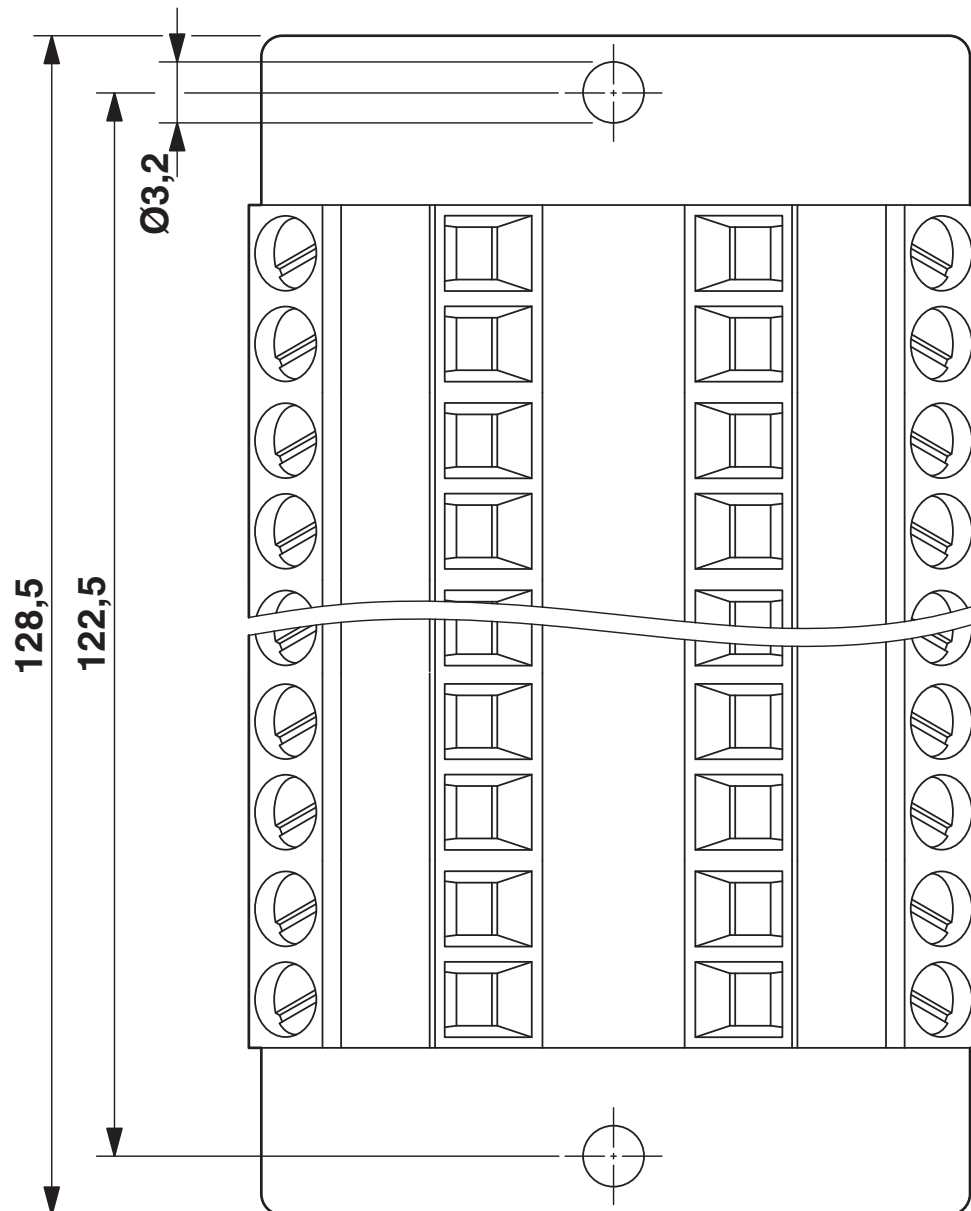
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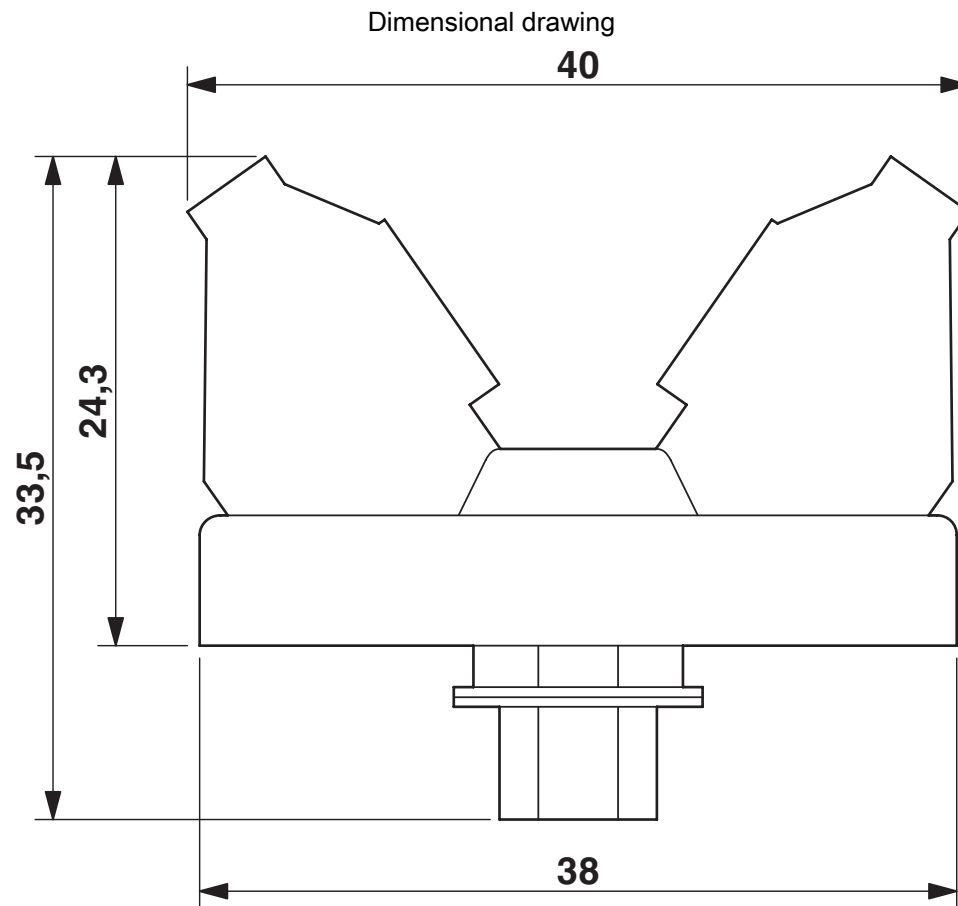
Dimensional drawing



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Approvals

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| | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> cUL Recognized Approval ID: FILE E 60425</div> | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 125 V | 2.5 A | 30 - 12 | - |

| | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> UL Recognized Approval ID: FILE E 60425</div> | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 125 V | 2.5 A | 30 - 12 | - |

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

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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

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

2302421

<https://www.phoenixcontact.com/us/products/2302421>



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

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CABLE-D37SUB/B/S/ 50/KONFEK/S - Cable

2302191

<https://www.phoenixcontact.com/us/products/2302191>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 0.5 m

CABLE-D37SUB/B/S/100/KONFEK/S - Cable

2302201

<https://www.phoenixcontact.com/us/products/2302201>



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

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CABLE-D37SUB/B/S/150/KONFEK/S - Cable

2302214

<https://www.phoenixcontact.com/us/products/2302214>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1.5 m

CABLE-D37SUB/B/S/200/KONFEK/S - Cable

2302227

<https://www.phoenixcontact.com/us/products/2302227>



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

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CABLE-D37SUB/B/S/300/KONFEK/S - Cable

2302230

<https://www.phoenixcontact.com/us/products/2302230>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

CABLE-D37SUB/B/S/400/KONFEK/S - Cable

2302243

<https://www.phoenixcontact.com/us/products/2302243>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 4 m

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CABLE-D37SUB/B/S/600/KONFEK/S - Cable

2302256

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 6 m

CABLE-D37SUB/B/S/HF/S/ 1,0M - Cable

1066608

<https://www.phoenixcontact.com/us/products/1066608>



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

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CABLE-D37SUB/B/S/HF/S/ 2,0M - Cable

1066609

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

CABLE-D37SUB/B/S/HF/S/ 3,0M - Cable

1066611

<https://www.phoenixcontact.com/us/products/1066611>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

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CABLE-D37SUB-B-S-HF-S/... - Cable

1075562

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

CABLE-D-37SUB/F/OE/0,25/S/0,5M - Cable

2926221

<https://www.phoenixcontact.com/us/products/2926221>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 0.5 m

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CABLE-D-37SUB/F/OE/0,25/S/1,0M - Cable

2926234

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 1 m

CABLE-D-37SUB/F/OE/0,25/S/1,5M - Cable

2926247

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 1.5 m

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CABLE-D-37SUB/F/OE/0,25/S/2,0M - Cable

2926250

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 2 m

CABLE-D-37SUB/F/OE/0,25/S/3,0M - Cable

2926263

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 3 m

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CABLE-D-37SUB/F/OE/0,25/S/4,0M - Cable

2926276

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 4 m

CABLE-D-37SUB/F/OE/0,25/S/6,0M - Cable

2926289

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 6 m

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CABLE-D-37SUB/F/OE/0,25/S/10M - Cable

2906217

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 10 m

CABLE-D-37SUB/F/OE/0,25/S/15M - Cable

2906218

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 15 m

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CABLE-D-37SUB/F/OE/0,25/S/20M - Cable

2906219

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 20 m

CABLE-D-37SUB-F-OE-0,25-S/... - Cable

2900907

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-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