

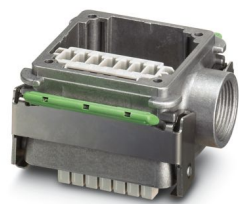
# DC-B 6-SET-HD-M25-M-7X4-UT - Connector set



1602229

<https://www.phoenixcontact.com/us/products/1602229>

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Duplicon, aluminum stackable connector set with a stackable housing with M25 cable screw connection thread (without cable screw connection), and a contact insert 6 x 4 mm<sup>2</sup> + PE, 400/690 V, 25 A, screw connection, type B6, IP67 protection

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1602229                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | B10                            |
| Product key                          | BF7BFX                         |
| Catalog page                         | Page 674 (C-2-2017)            |
| GTIN                                 | 4046356027922                  |
| Weight per piece (including packing) | 229 g                          |
| Weight per piece (excluding packing) | 228.4 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Set consists of

### DC-B 6-HD-M25-M - Stackable housing

1602054

<https://www.phoenixcontact.com/us/products/1602054>



DUPLICON, aluminum stackable housing for DUPLICON contact inserts, type B6, IP67 protection, with two locking latches, gasket and an M25 cable screw connection thread (without cable screw connection)

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### DC-B 6-ID-7X4-UT - Contact insert

1602203

<https://www.phoenixcontact.com/us/products/1602203>



DUPLICON, connector contact insert, 6 x 4 mm<sup>2</sup> + PE, 400/690 V, 25 A, screw connection, type B6, IP20 protection

# DC-B 6-SET-HD-M25-M-7X4-UT - Connector set



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## Technical data

### Product properties

|                              |                    |
|------------------------------|--------------------|
| Type                         | DC-B6              |
| Product type                 | Connector set      |
| Number of positions          | 6                  |
| No. of cable outlets         | 1                  |
| Type of the screw connection | with M25 thread    |
| Housing type                 | Stackable plug set |
| Seal present                 | yes                |
| Cable outlet                 | lateral            |
| Pg screw connection          | none               |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Maximum load current           | 32 A (L1/L2/L3)                                       |
| Rated voltage (II/2)           | 1000 V                                                |
| Rated voltage (III/2)          | 1000 V                                                |
| Rated voltage (III/3)          | 400 V (L-PE)                                          |
|                                | 690 V (L-L)                                           |
|                                | 630 V                                                 |
| Rated surge voltage (II/2)     | 6 kV                                                  |
| Rated surge voltage (III/2)    | 8 kV                                                  |
| Rated surge voltage (III/3)    | 6 kV                                                  |
| Rated surge voltage            | 6 kV                                                  |
| Rated current                  | 25 A (with 4 mm <sup>2</sup> conductor cross section) |
|                                | 25 A                                                  |
| Contact resistance             | 1.5 mΩ                                                |
| Nominal current I <sub>N</sub> | 25 A                                                  |

### Connection data

|                                         |                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------|
| Connection method                       | Screw connection                                                              |
| Connection technology                   | Screw connection                                                              |
| Conductor cross section                 | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> (6 mm <sup>2</sup> without ferrule) |
|                                         | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> (6 mm <sup>2</sup> without ferrule) |
| Connection cross section AWG            | 24 ... 12 (AWG 10 without ferrule)                                            |
| Tightening torque                       | 0.5 Nm ... 0.6 Nm                                                             |
| Stripping length of the individual wire | 10 mm                                                                         |

### Dimensions

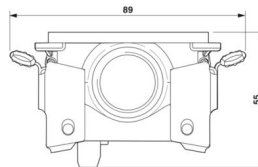
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Dimensional drawing



|        |       |
|--------|-------|
| Width  | 75 mm |
| Height | 55 mm |
| Length | 89 mm |

## Material specifications

|                                        |                   |
|----------------------------------------|-------------------|
| Color                                  | pearl gray        |
| Material Housing                       | die-cast aluminum |
| Flammability rating according to UL 94 | V0                |
| Seal material                          | NBR               |
| Contact material                       | Copper alloy      |
| Contact surface material               | Ag                |
| Contact carrier material               | PA                |
| Locking latch material                 | Stainless steel   |
| Impact strength                        | IK08              |
| Housing material                       | die-cast aluminum |

## Cable/line

|                                         |       |
|-----------------------------------------|-------|
| Stripping length of the individual wire | 10 mm |
|-----------------------------------------|-------|

## Mechanical properties

### Mechanical data

|                              |                 |
|------------------------------|-----------------|
| Type of the screw connection | with M25 thread |
| Locking type                 | Latch           |
| Insertion/withdrawal cycles  | ≥ 100           |

## Environmental and real-life conditions

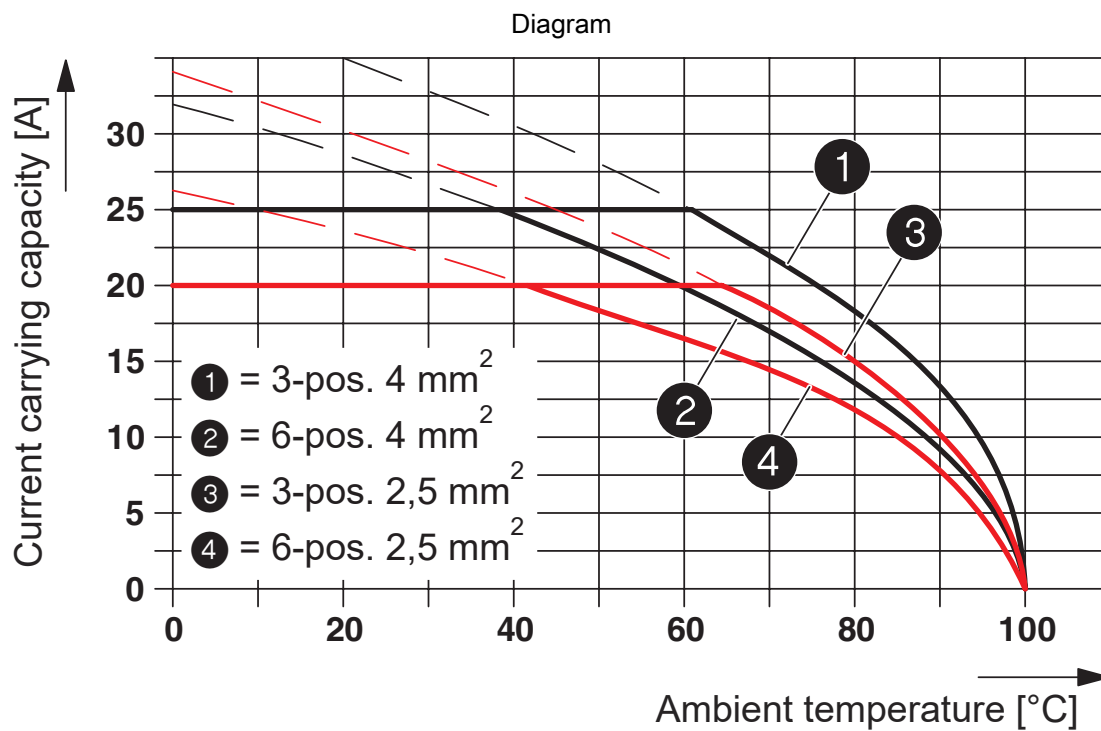
### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP65              |
|                                 | IP66              |
|                                 | IP67              |
|                                 | IP65/IP66/IP67    |
| Impact strength                 | IK08              |
| Ambient temperature (operation) | -40 °C ... 100 °C |

## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Screw mounting |
|---------------|----------------|

## Drawings



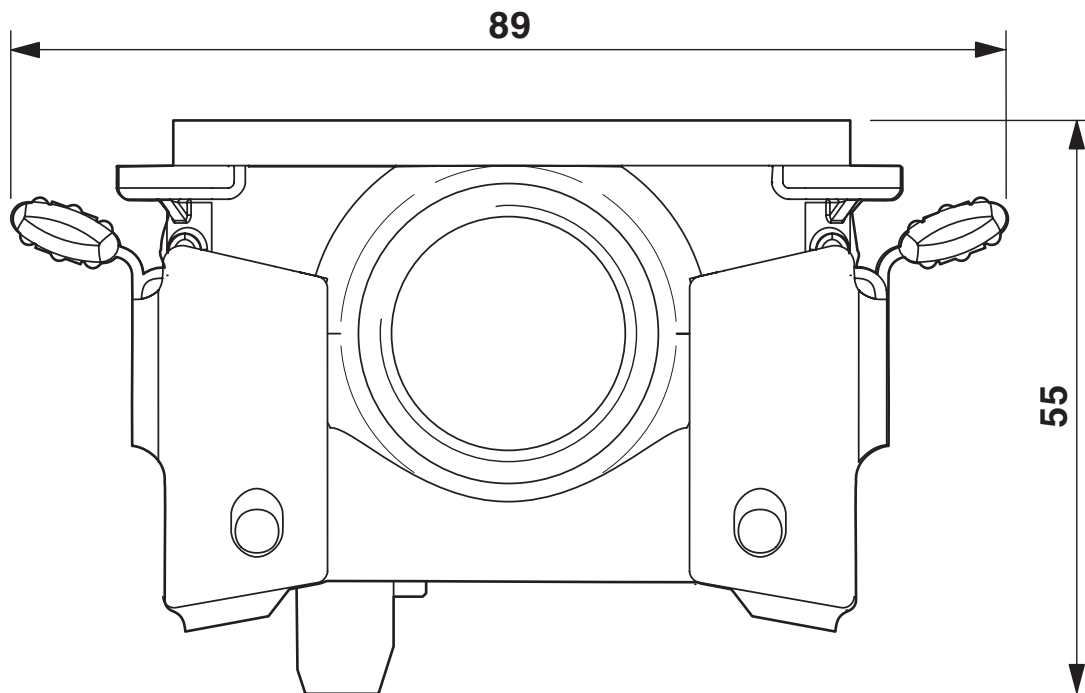
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Dimensional drawing



Dimensional drawing

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121409 |
|-------------|----------|

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## Environmental product compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                               |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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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)