

DC-B 6-SET-WF-M20R-M-7X4-UT - Connector set



1602232

<https://www.phoenixcontact.com/us/products/1602232>

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Duplicon, aluminum panel feed-through set with a panel mounting base, with a stackable housing with M20 cable screw connection thread (without cable screw connection), with two contact inserts $6 \times 4 \text{ mm}^2 + \text{PE}$, 400/690 V, 25 A, screw connection and a housing cover, type B6, IP67 protection

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1602232 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | B10 |
| Product key | AF7BFX |
| GTIN | 4046356027939 |
| Weight per piece (including packing) | 463.9 g |
| Weight per piece (excluding packing) | 456 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Set consists of

DC-B 6-HD-M20-M - Stackable housing

1602041

<https://www.phoenixcontact.com/us/products/1602041>



DUPLICON, aluminum stackable housing for DUPLICON contact inserts, type B6, IP67 protection, with two locking latches, gasket and an M20 cable screw connection thread (without cable screw connection)

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

1602203

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



DUPLICON, connector contact insert, 6 x 4 mm² + PE, 400/690 V, 25 A, screw connection, type B6, IP20 protection

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DC-B 6-CT-M - Housing cover

1602025

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DUPLICON, aluminum housing cover, type B6, IP67 protection, with two M3 screws, V2A, captive, gasket and hole for retaining cord, for self-tapping M3 screw

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Technical data

Product properties

| | |
|------------------------------|------------------------|
| Product type | Connector set |
| Housing type | Panel feed-through set |
| Type | DC-B6 |
| Number of positions | 6 |
| Set comprises | 1602038 DC-B 6-HB-M |
| No. of cable outlets | 1 |
| Type of the screw connection | with M20 thread |
| 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 ² conductor cross-section) |
| | 25 A |
| Contact resistance | 1.5 mΩ |
| Nominal current I _N | 25 A |

Connection data

| | |
|---|---|
| Connection method | Screw connection |
| Connection technology | Screw connection |
| Conductor cross-section | 0.2 mm ² ... 4 mm ² (6 mm ² without ferrule) |
| | 0.2 mm ² ... 4 mm ² (6 mm ² 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 |

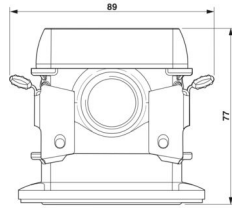
Dimensions

DC-B 6-SET-WF-M20R-M-7X4-UT - Connector set



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| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 75 mm |
| Height | 77 mm |
| Length | 89 mm |

Installation dimensions

| | |
|-------------------------------|-------|
| Width of the assembly cutout | 55 mm |
| Length of the assembly cutout | 55 mm |

Material specifications

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

Cable/line

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

Mechanical properties

Mechanical data

| | |
|------------------------------|-----------------|
| Type of the screw connection | with M20 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 |

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Mounting

Mounting type

Screw mounting

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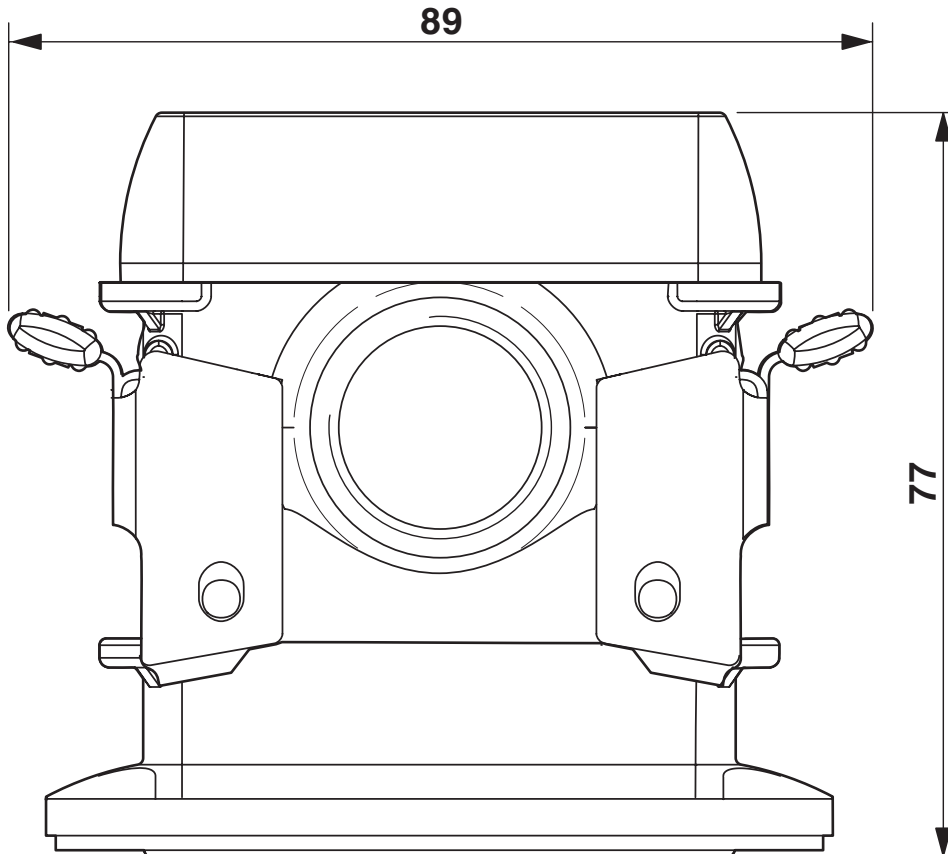


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Drawings

Dimensional drawing



Dimensional drawing

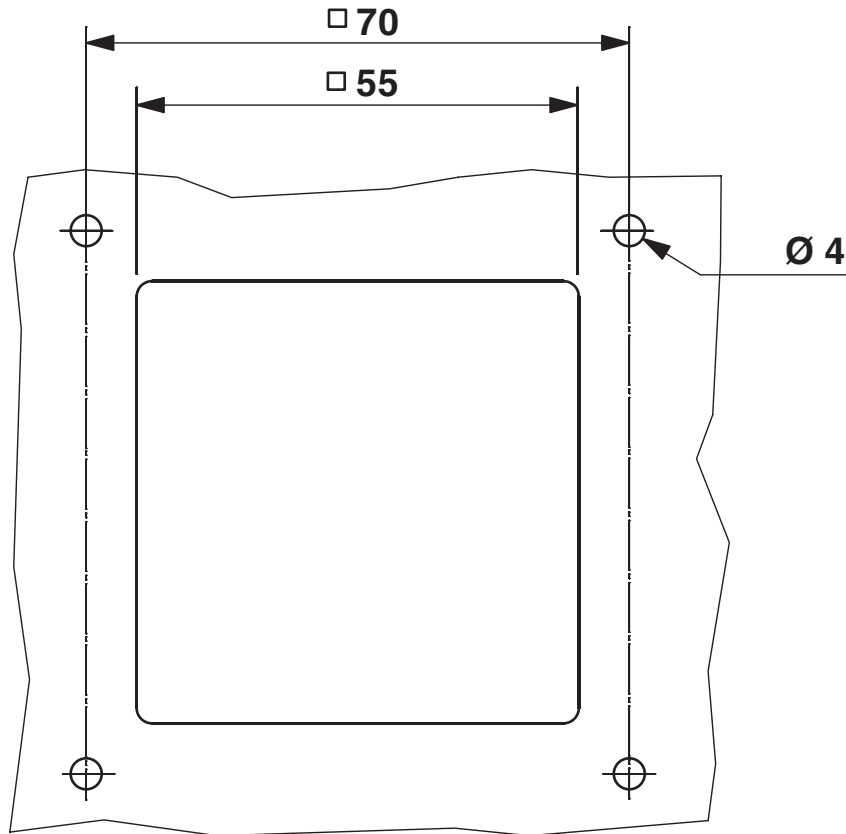
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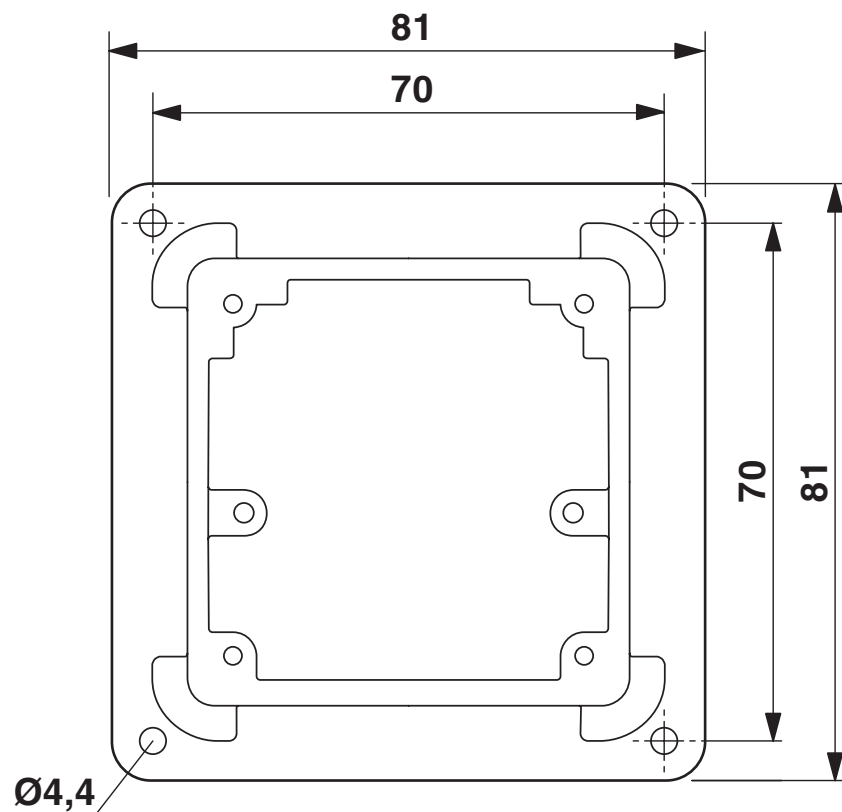
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Dimensional drawing



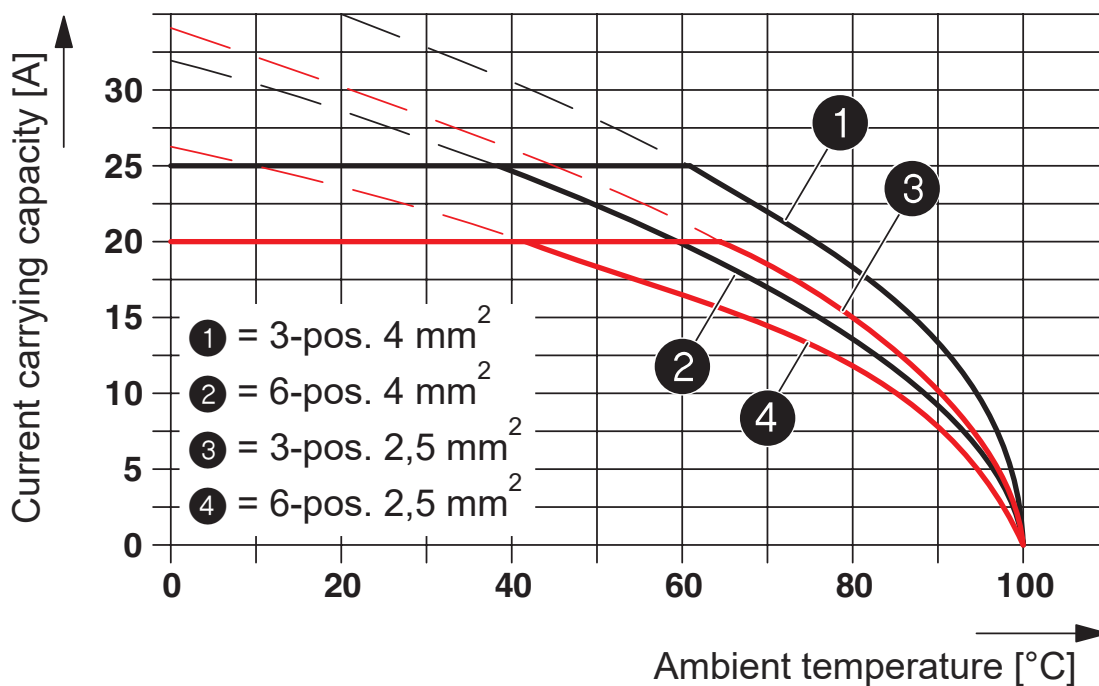
Panel cutout: DC-B 6-SET-WF...

Dimensional drawing



Dimensional drawing (lateral view)

Diagram



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Classifications

UNSPSC

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

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Environmental product compliance

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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