

# 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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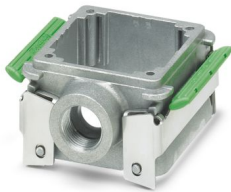
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## Set consists of

### 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)

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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

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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 <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

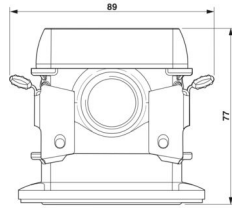
### Dimensions

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Dimensional drawing	
Width	75 mm
Height	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
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## 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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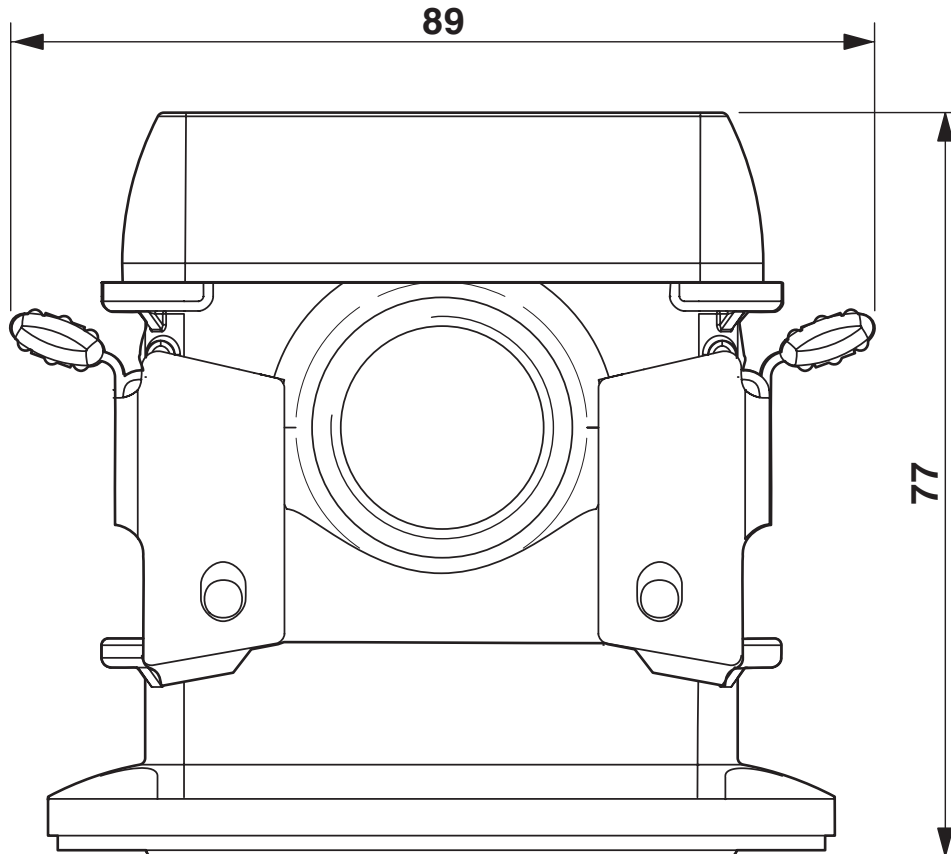


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## Drawings

Dimensional drawing



Dimensional drawing

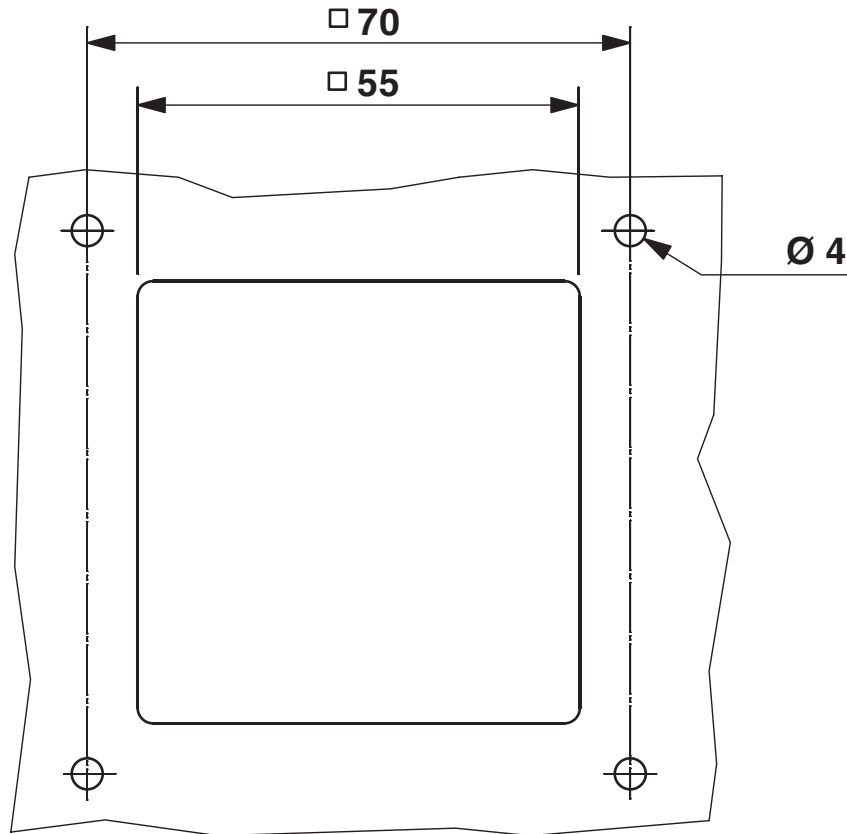
# DC-B 6-SET-WF-M20R-M-7X4-UT - Connector set



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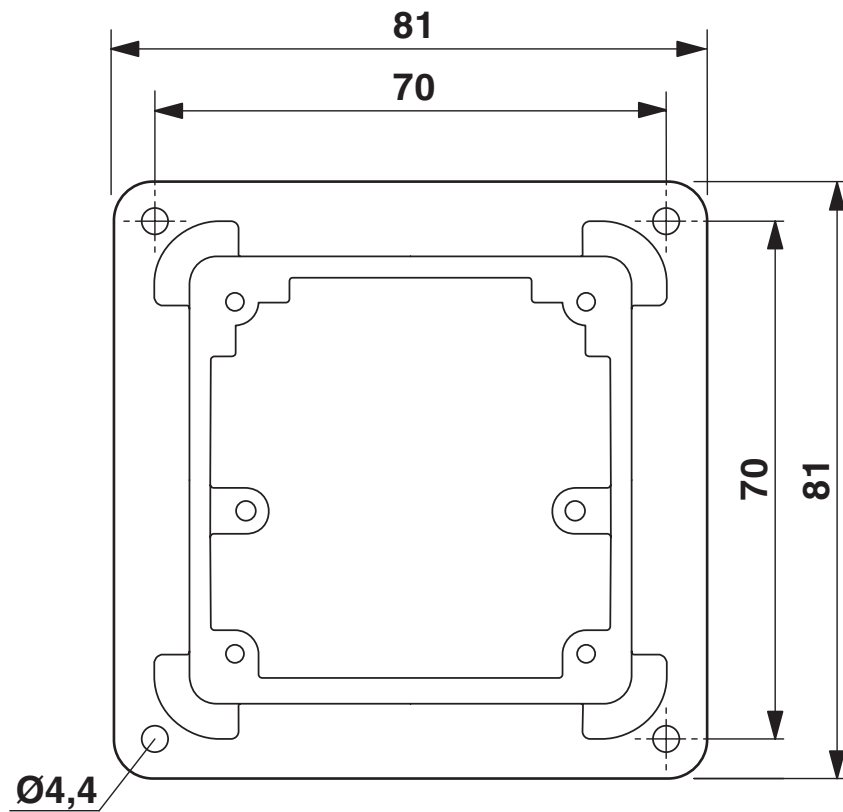
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Dimensional drawing



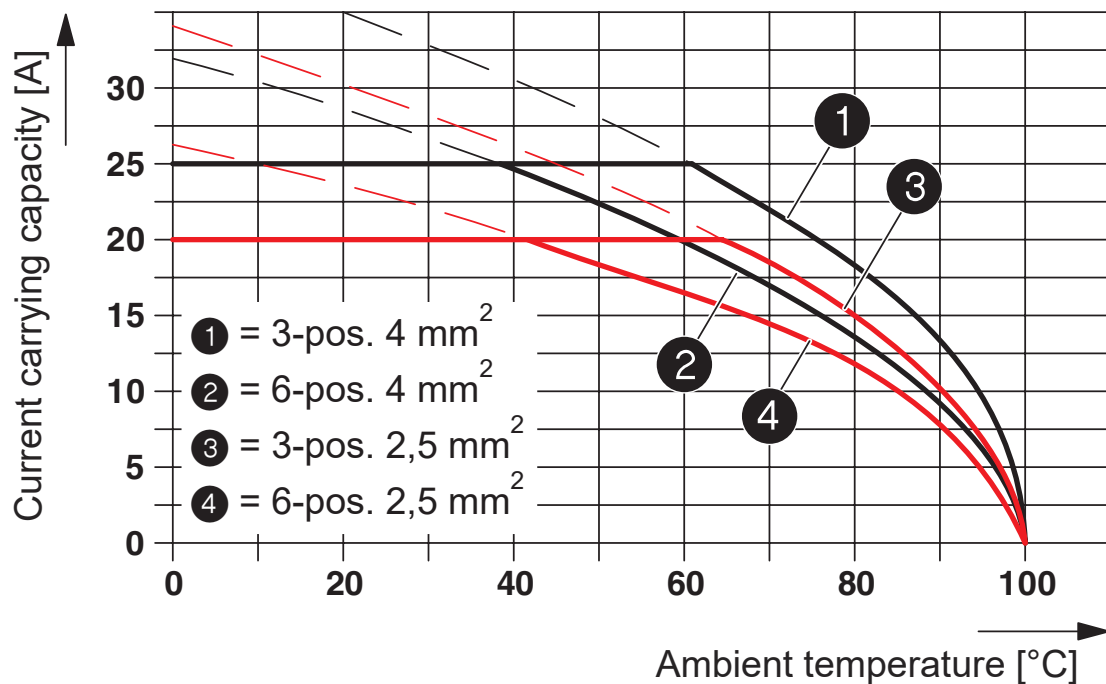
Panel cutout: DC-B 6-SET-WF...

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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