

# Connector set - DC-B 6-SET-WF-M20R-M-7X4-UT - 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 x 4 mm<sup>2</sup> + PE, 400/690 V, 25 A, screw connection and a housing cover, type B6, IP67 protection



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 027939
GTIN	4046356027939

## Technical data

### Dimensions

Height	77 mm
Length of the assembly cutout	55 mm
Width of the assembly cutout	55 mm

### Ambient conditions

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

### Electrical characteristics

Rated voltage (III/3)	400 V (L-PE)
	690 V (L-L)
Rated surge voltage	6 kV
Rated current	25 A (with 4 mm <sup>2</sup> conductor cross section)
Maximum load current	32 A (L1/L2/L3)
Overvoltage category	III
Degree of pollution	3

### Material data

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## Technical data

### Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Housing material	Aluminum die-cast
Housing surface material	uncoated
Seal material	NBR
Locking latch material	Stainless steel
Material grip body interlock	PA

### General

Type	DC-B6
Color	pearl gray
Insertion/withdrawal cycles	≥ 100
Number of positions	6
Stripping length of the individual wire	10 mm
Conductor cross section	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
Pg screw connection	none
Type of the screw connection	with M20 thread
Cable outlet	lateral

### Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Articles in set

Stackable housing - DC-B 6-HD-M20-M - 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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## Articles in set

Contact insert - DC-B 6-ID-7X4-UT - 1602203



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

Housing cover - DC-B 6-CT-M - 1602025



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

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / cULus Recognized

#### Ex Approvals


### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	25 A		
mm <sup>2</sup> /AWG/kcmil	12		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	25 A		
mm <sup>2</sup> /AWG/kcmil	12		

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### Approvals

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40017400
Nominal voltage UN		690 V	
Nominal current IN		25 A	

cULus Recognized	
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>