

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)



Duplicon, aluminum distributor set with a basic housing (enclosed bottom), with three stackable housings with M20 cable screw connection threads (without cable screw connections), with three contact inserts 6 x 4 mm² + PE, 400/690 V, 25 A, screw connection and a housing cover, type B6, IP67 protection



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	851.1 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Height	151 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 ² conductor cross section)
Maximum load current	32 A (L1/L2/L3)
Overvoltage category	III
Degree of pollution	3

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Technical data

Material data

Contact material	Cu
Contact surface material	Ag
Contact carrier material	PA
Housing material	Aluminum die-cast
Housing surface material	EMC-conductive
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 mm² ... 4 mm² (6 mm² 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 exit	Lateral

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440202
eCl@ss 9.0	27440202

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Classifications

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC000437
ETIM 4.0	EC000437
ETIM 5.0	EC000437

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm²/AWG/kcmil	12
Nominal current I _N	25 A
Nominal voltage U _N	600 V

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Approvals

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I _N	25 A
Nominal voltage U _N	690 V

cUL Recognized 	
mm ² /AWG/kcmil	12
Nominal current I _N	25 A
Nominal voltage U _N	600 V

EAC

cULus Recognized 
--

Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

Full screw connection

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Accessories

Cable gland - HC-M-KV-M20(9-13) - 1690561



Metal screw connection up to 5 bar, thread length: 6 mm, cable diameter: 9 - 13 mm, WAF 22, screw connection: M20

Cable gland - HC-M-KV-M20(11-16) - 1645998



Metal screw connection up to 5 bar, thread length: 6 mm, cable diameter: 11 - 16 mm, WAF 27, screw connection: M20

Mounting material

Mounting brackets - DC-B 6-A-SA - 1602313



DUPLICON, mounting bracket, made of 3 mm high-grade steel plate, with predrilled holes

Screw - T20-M4X12 - 1602410



M4 Torx head screw T20, 12 mm long, self tapping, consisting of high-strength steel, anti-corrosive

Plug for cable screw gland

Filler plugs - HC-M-BS-M20 - 1645846



Filler plug, metal, size: M20

Connector set - DC-B 6-SET-3D-M20-M-7X4-UT - 1602290

Accessories

Seal

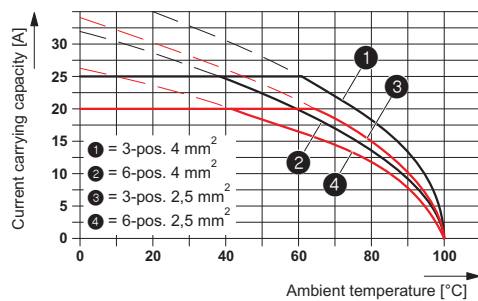
Seal - DC-B 6-A-HD-G - 1602326



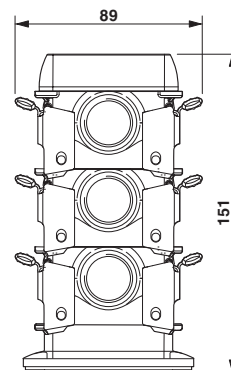
DUPLICON, profile gasket for stackable housing, made of conductive EPDM

Drawings

Diagram

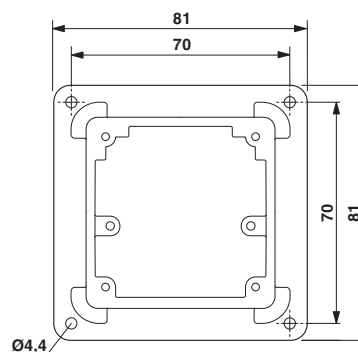


Dimensional drawing



Dimensional drawing

Dimensional drawing



Dimensional drawing

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1602290](#)