

## T box - DC-B 6-SET-TB-M20-M-7X4-UT - 1581023

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DUPLICON, aluminum T-box set with DUPLICON contact insert 6 x 4 mm<sup>2</sup> + PE with 2 screw connections per position, type B6, IP67 protection, 2 x M20 cable screw connection thread (without cable screw connection)



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	649.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Height	122 mm
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#### 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)
Degree of pollution	3

#### Material data

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## 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 mm <sup>2</sup> ... 4 mm <sup>2</sup> (6 mm <sup>2</sup> without ferrule)
Connection cross section AWG	24 ... 12
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	272607xx
eCl@ss 4.1	27260701
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

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## Classifications

### ETIM

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

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	12
Nominal current I <sub>N</sub>	25 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	12
Nominal current I <sub>N</sub>	25 A
Nominal voltage U <sub>N</sub>	600 V

EAC
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cULus Recognized
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## Accessories

### Accessories

#### Full screw connection

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

#### Protective cover

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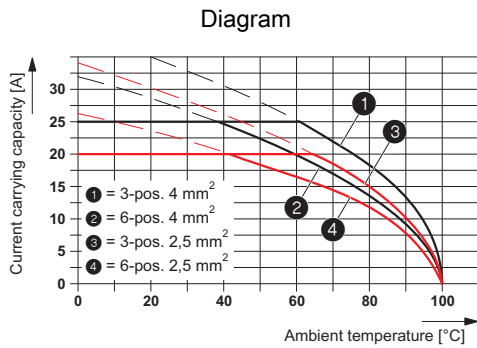
## Accessories

Dust protection cover - DC-B 6-CT-P - 1581078

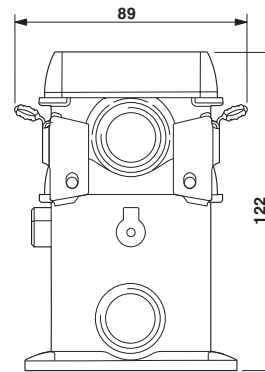


DUPLICON snap-on dust protection cover, polyamide (can be coated)

## Drawings

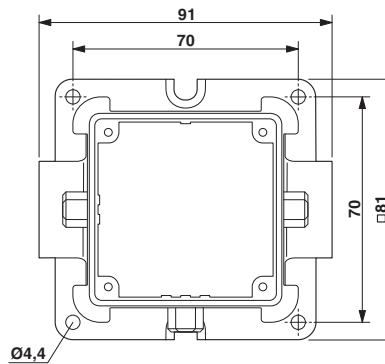


Dimensional drawing



Dimensional drawing

Dimensional drawing



Dimensional drawing

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