

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 mm² + 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
GTIN	 4 046356 154772
GTIN	4046356154772
Weight per Piece (excluding packing)	649.000 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 ² conductor cross section)

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

Technical data

Electrical characteristics

Maximum load current	32 A (L1/L2/L3)
Overvoltage category	III
Degree of pollution	3

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 ² ... 4 mm ² (6 mm ² 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 outlet	lateral

Standards and Regulations

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

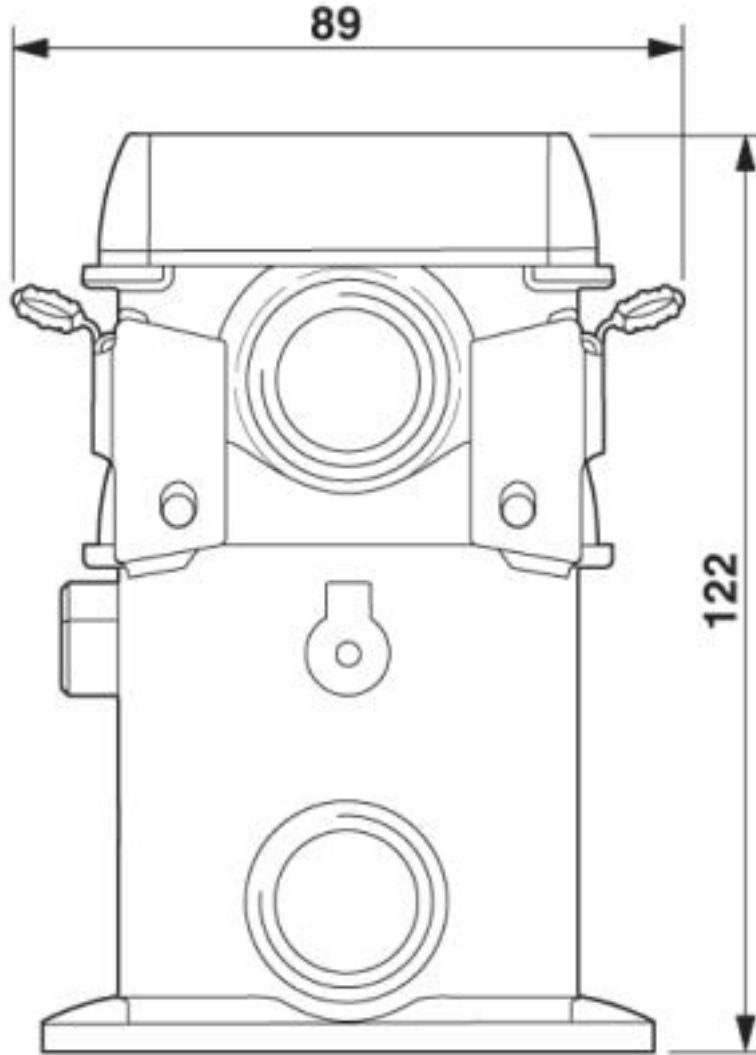
Environmental Product Compliance

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

Drawings

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

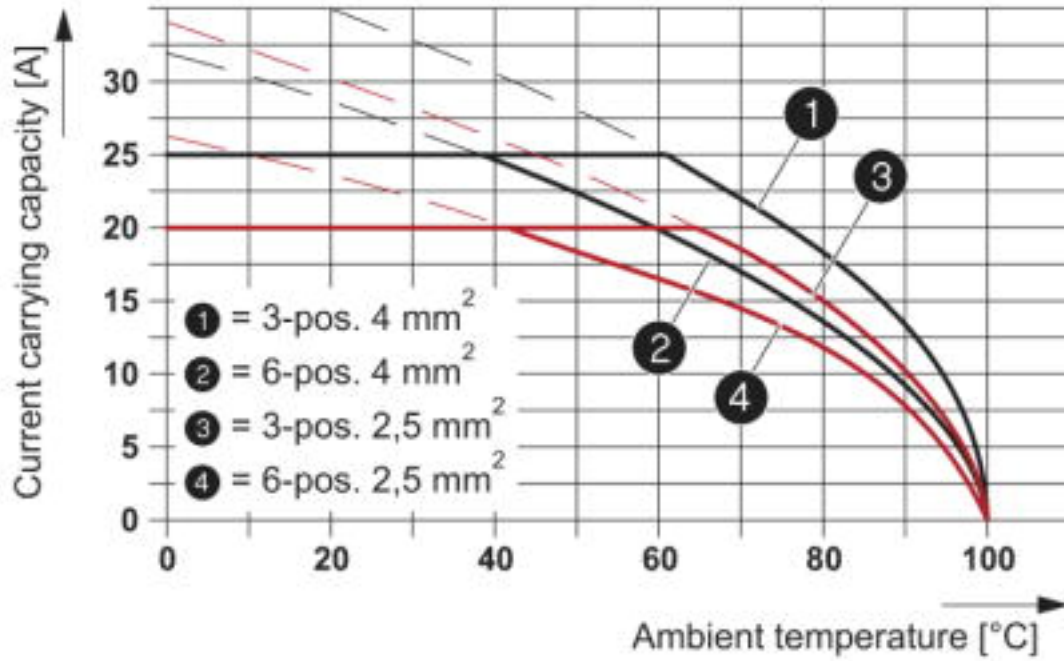
Dimensional drawing



Dimensional drawing

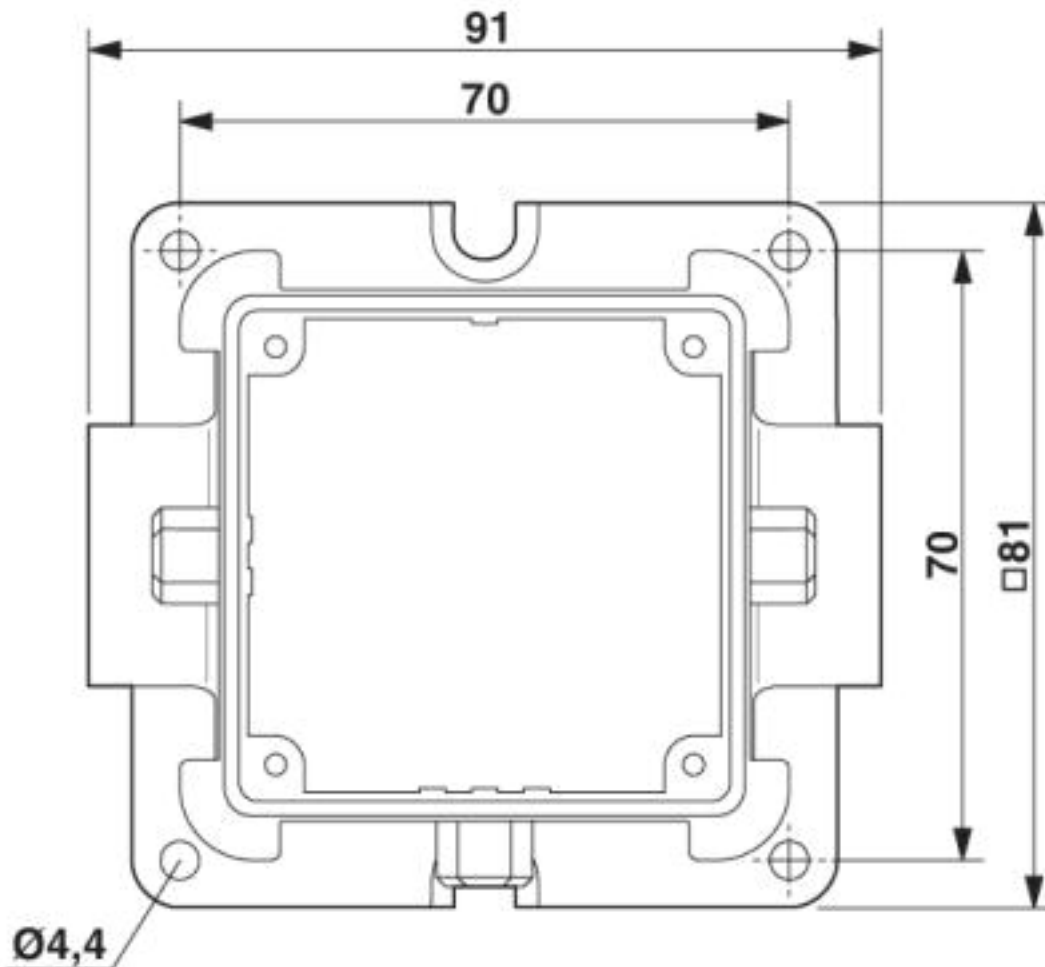
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Diagram



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

Dimensional drawing



Dimensional drawing

Articles in set

Contact insert - DC-B 6-IBT-7X4-UT - 1581065



DUPLICON T-box contact insert 6 x 4 mm² + PE with 2 screw connections per position, type B6

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

Articles in set

T box - DC-B 6-HTC-M20-M20-M - 1581049



DUPLICON, aluminum T-box, type B6, IP67 protection, 2 x M20 cable screw connection thread (without cable screw connection)

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)

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



DUPLICON, connector contact insert, 6 x 4 mm² + 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

Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440202

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

Classifications

eCl@ss

eCl@ss 9.0	27440101
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ETIM

ETIM 3.0	EC000437
ETIM 4.0	EC000437
ETIM 5.0	EC000437
ETIM 6.0	EC002636
ETIM 7.0	EC002636

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31261501
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals


Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	25 A		

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

Approvals

mm²/AWG/kcmil	12
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EAC		RU C- DE.AI30.B.01102
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cULus Recognized	
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Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

Full screw connection

Cable gland - G-INSEC-M20-S68N-NCRS-S - 1411189



Cable gland, cable gland material: Nickel-plated brass, external cable diameter 9 mm ... 13 mm, shielding: yes, connecting thread: M20 x 1.5, color: silver, with O-ring

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

Accessories

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

Cable gland - G-INS-M20-S68N-NNES-S - 1411163



Cable gland, cable gland material: Nickel-plated brass, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with O-ring

Insertion bridge

Insertion bridge - EB 2- 6 - 0201155



Insertion bridge, pitch: 6.2 mm, number of positions: 2, color: gray

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

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

Accessories

Plug for cable screw gland

Screw plug - HC-M-BS-M20 - 1645846



Filler plug, metal, size: M20

Protective cover

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



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

Seal

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



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