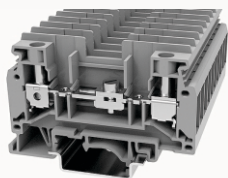


## Overview

### Product information



## DCTK6-11060000212

Screw type Din-Rail TB, Rated voltage : 630 V, Rated current: 41 A, connector method: Screw/plug-in connector, Number of connectors: 2, Number of potentials: 1, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 22 - 8, Width: 8 mm, Height: 46.1mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Product advantages

- ☒ Steel screw connection technology, reliable connection
- ☒ The sliding block breaks, which can realize the circuit breaking function
- ☒ The box has a baffle to prevent mis-insertion
- ☒ Can be matched with marker strips to avoid incorrect insertion of wires

### Product certification



## Technical data

### Product drawing

### 3D model

### Wiring data

Strip length	12mm
Conductor cross section solid	0.5~10mm <sup>2</sup>
Conductor cross section flexible	0.5~10mm <sup>2</sup>
Conductor cross section flexible AWG	22~8
Conductor cross section solid AWG	22~8
screw thread	M4
Tightening torque	1.2N.m

### Environmental conditions

Ambient temperature (operation)	-40 °C ~ 105 °C (depending on derating curve)
Ambient temperature (storage / transport)	-5 °C ~ 70 °C
Ambient temperature (assembly)	-5 °C ~ 70 °C
Ambient temperature (execution)	-5 °C ~ 70 °C
Relative humidity (storage/transport)	25%~75%

#### UL Electrical parameters

standard test	UL1059
Rated voltage (Use Group B)	300V
Rated current (Use Group B)	45A

#### IEC Electrical parameters

standard test	IEC60947-7-1
Pollution level	3
Overvoltage level	III
Insulating material group	I
Rated voltage (III / 3)	630V
Rated current (III / 3)	41A
Rated surge voltage	6KV

#### Safety test

Anti-finger touch	IP20
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#### Mechanical performance test

Mechanical performance test	Passed the test
Bending test rotation speed	10rpm
Bending test	135
Bend test lead cross section/weight	0.5mm <sup>2</sup> /0.3Kg
	10mm <sup>2</sup> /2kg

Tensile test results	Passed the test
Conductor cross-section tensile test/set point traction	0.5mm <sup>2</sup> /20N
	6mm <sup>2</sup> /80N

#### Environmental protection

REACH SVHC	Lead 7439-92-1
RoHS	No excessive harmful substances

#### Electrical performance test

Requirement, voltage drop	≤3.2mV
Voltage drop test results	Passed the test
Temperature rise test result	Passed the test

#### Dimension

NS 35/7,5 Height	46.55mm
End plate width	1.5mm
NS 35/15 Height	54.05mm
length	70.9mm
width	8mm
Height	46.1mm

#### Overview

Connection method	screw connection
Number of positions	1
Number of rows	1
number of connections	2
electric potentials	1
Open-end side panels	Yes
Insulation Materials	PA

Flame retardant grade, in line with UL 94	V0
Application field	Railway industry, mechanical engineering, factory engineering, process industry, etc.
color	Gray

## Accessories

### Marking & Installation


Marking strip	ZB8
Marker cards	DBE-1

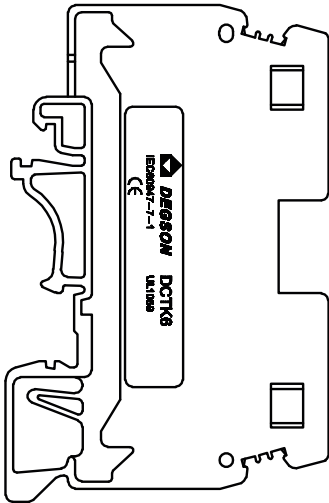
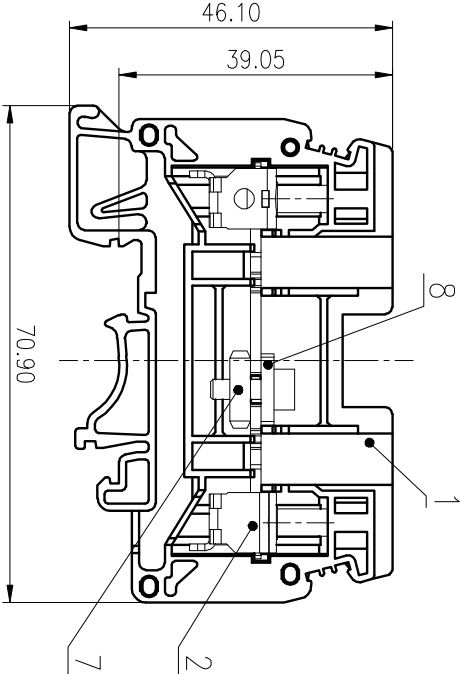
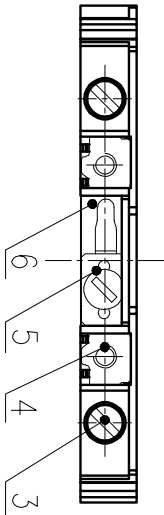
### Accessories

End cover	D-DCTK6
Bridge	FBRI6-RTK/S
End clamp	E-WS
DIN rail	NS35/7.5-1000-00A(H)

## Business data




Order number	11060000212
Packing unit	50
Minimum order quantity	50
Products weight (without packaging)	23.2

General tolerances(mm)												
0	~	>3	~	>6	~	>10	~	>18	~	>30	~	>500
3	~	6	~	10	~	18	~	30	~	50	~	500
±0.12	±0.18	±0.22	±0.26	±0.31	±0.37	±0.57	±0.80	±0.93	±1.05	±1.15	±1.60	±2.50
												0.1/10
												IT7



8	Cage-3	Steel	Zn Plated
7	Cage-2	Copper alloy	Sn Plated
6	Current carrier-1	Copper	Sn Plated
5	Screw-2	Steel	M3\Zn Plated
4	Current carrier-1	Copper	Sn Plated
3	Screw-1	Steel	M4\Zn Plated
2	Cage-1	Steel	Zn Plated
1	Housing	PA66	UL94V-0

ITEM	NAME OF PART	MATERIAL	NOTES
1			

MATERIAL: /		SURFACE: /	
MAT NO.: /			
STATUS: /			
APPD: Li GL 2020.05.23		NAME:  <b>DEGSON GERMANY GmbH</b>	
CHKD: Mao J 2020.05.23		DRAWING NO.: DCTK6-01P-1Y-00A(H)	
DFTI:Wang LX 2020.05.23		REV TO-1	
 SIZE: A4		SCALE: 1:1	
 (mm)		SHEET 1/1	
TYPE: CUSTOMER DRAWING			

UL Standard:	B	C	D
Rated Voltage(V)/Current(A)	300/45	/	/
IEC Standard:			
Overvoltage Category	III/3	/	/
Pollution Degree		/	/
Rated Voltage(V)/Current(A)	630/41	/	/
Rate Impulse Voltage(KV)	6.0	/	/
Torque Tightening(N·m/Lb·in)	M4, 1.2/10.53		
Wire Range(rigid and flexible)(mm <sup>2</sup> /AWG)	0.5~10/20~8		
Pitch(mm)	6.0		
Stripping length(mm)	12		
Operating temperature(°C)	-40~+105		
Conform to RoHS	Yes		
Standard color number:			
PAVONE / RAL	/		