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## Disconnect terminal block - UK 6-T - 3072803

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Disconnect terminal block, Connection method: Screw connection, Cross section: 0.5 mm<sup>2</sup> -10 mm<sup>2</sup> , AWG: 20 - 10, Width: 8.2 mm, Mounting type: NS 35/7,5, NS 35/15, NS 32, Color: gray

RoHS

### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
Weight per Piece (excluding packing)	22.000 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### Environmental Product Compliance

China RoHS	Hazardous substances above threshold values;
	Environmentally Friendly Use Period = 50;
	For details go to tab "Downloads", Category "Manufacturer's declaration"

#### General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

# Disconnect terminal block - UK 6-T - 3072803

## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	41 A
Maximum load current	57 A (with 10 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	500 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.5 mm <sup>2</sup> / 0.3 kg
	6 mm <sup>2</sup> / 1.4 kg
	10 mm <sup>2</sup> / 2 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.5 mm <sup>2</sup>
Tractive force setpoint	20 N
Conductor cross section tensile test	6 mm <sup>2</sup>
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm <sup>2</sup>
Tractive force setpoint	90 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 6,4 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	6 mm <sup>2</sup>
Short-time current	0.72 kA
Conductor cross section short circuit testing	10 mm <sup>2</sup>

## Disconnect terminal block - UK 6-T - 3072803

### Technical data

#### General

Short-time current	1.2 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

#### Dimensions

Width	8.2 mm
Length	66.5 mm
Height NS 35/7,5	48 mm
Height NS 35/15	55.5 mm
Height NS 32	53 mm

#### Connection data

Note	Terminal point
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>

# Disconnect terminal block - UK 6-T - 3072803

## Technical data

### Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.6 Nm

### Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

## Drawings

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27141126
eCl@ss 4.1	27141126
eCl@ss 5.0	27141126
eCl@ss 5.1	27141126
eCl@ss 6.0	27141126
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126

# Disconnect terminal block - UK 6-T - 3072803

## Classifications

eCl@ss

eCl@ss 9.0	27141126
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ETIM

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
ETIM 5.0	EC000902

## Approvals


Approvals


Approvals

UL Recognized / cUL Recognized / EAC / 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 60425		
	B	C
mm <sup>2</sup> /AWG/kcmil	26-8	26-8
Nominal current I <sub>N</sub>	30 A	30 A
Nominal voltage U <sub>N</sub>	600 V	600 V

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 60425		
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EAC EAC-Zulassung
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## Disconnect terminal block - UK 6-T - 3072803

### Approvals

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

### Accessories

#### Accessories

#### Cover profile

##### Cover profile - AP 3 CM - 5022876



Cover profile for covering terminal strips, snaps onto AP 3-TU, AP 3-TNS 35 cover profile carriers, can be labeled with AP-ES insert strip. A cover profile carrier is to be positioned at the ends and at intervals of around approx. 40 cm. Supply length: As per customer order

##### Cover profile - AP 3 METER - 5022643



Cover profile, for covering terminal strips, snaps onto cover profile carrier AP 3-TU, AP 3-TNS 35, can be marked with insert strip AP-ES. Cover profile carriers should be placed at the ends and at intervals of approx. 40 cm. Length: 1 m

#### Cover profile carrier

##### Cover profile carrier - AP 3-TU - 5022656



Cover profile carrier for mounting on NS 32 or NS 35/7.5 DIN rail for attaching the cover profile AP 3.2 mm thick

##### Cover profile carrier - AP 3-TNS 35 - 5022672



Sealable cover profile, for mounting on NS 35/7.5 DIN rail, for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm

## Disconnect terminal block - UK 6-T - 3072803

### Accessories

#### DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

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DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

End cap - NS 35/ 7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5



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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

## Disconnect terminal block - UK 6-T - 3072803

### Accessories

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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### End cover

End cover - D-UK 6-T - 3072802



End cover, Length: 66.5 mm, Width: 2.2 mm, Height: 37.9 mm, Color: gray

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### Insertion bridge

Insertion bridge - EB 2- 8 - 0202154



Insertion bridge, Pitch: 8 mm, Number of positions: 2, Color: gray

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Insertion bridge - EB 3- 8 - 0202141



Insertion bridge, Pitch: 8 mm, Number of positions: 3, Color: gray

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Insertion bridge - EB 4- 8 - 0202142



Insertion bridge, Pitch: 8 mm, Number of positions: 4, Color: gray

## Disconnect terminal block - UK 6-T - 3072803

### Accessories

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#### Insertion bridge - EB 10- 8 - 0202138



Insertion bridge, Pitch: 8 mm, Number of positions: 10, Color: gray

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#### Insertion bridge - EB 1/3/5/7-8 - 3072340



Insertion bridge, Pitch: 16.4 mm, Length: 24 mm, Width: 55.4 mm, Number of positions: 4, Pin assignment: 1, 3, 5, 7, Color: gray

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#### Insertion bridge - EB 1/3/5-8 - 3072341



Insertion bridge, Pitch: 16.4 mm, Length: 24 mm, Width: 39 mm, Number of positions: 3, Pin assignment: 1,3,5, Color: gray

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### Labeled terminal marker

#### Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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#### Marker for terminal blocks - UC-TM 8 CUS - 0824597



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

#### Marker for terminal blocks - UCT-TM 8 CUS - 0829616



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Zack marker strip - ZB 8,LGS:FORTL.ZAHLEN - 1052015



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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#### Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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#### Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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### Partition plate

#### Separating plate - TS-UK 6-T - 3072820



Separating plate, Length: 66.5 mm, Width: 1 mm, Height: 62.5 mm, Color: gray

## Disconnect terminal block - UK 6-T - 3072803

### Accessories

#### Screw bridge

Fixed bridge - SCBI 10-8,15 ISO - 3000417



Fixed bridge, Pitch: 8.2 mm, Number of positions: 10, Color: silver

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#### Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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#### Short-circuit connector

Short-circuit connector - KSS 8 - 0311540



Short-circuit connector, Pitch: 8 mm, Number of positions: 2, Color: black

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

Short-circuit connector - KSSI 2-8 - 3000722



Short-circuit connector, Pitch: 8 mm, Length: 11 mm, Width: 16.2 mm, Number of positions: 2, Color: black

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Short-circuit connector - KSSI 4-8 - 3000735



Short-circuit connector, Pitch: 8 mm, Number of positions: 4, Color: black

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### Switching jumper

Switching jumper - SB 6-T 2-8 - 3075842



Switching jumper, Pitch: 8 mm, Number of positions: 2, Color: orange

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Switching jumper - SB 6-T 3-8 - 3075843



Switching jumper, Pitch: 8 mm, Number of positions: 3, Color: orange

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Switching jumper - SB 6-T 4-8 - 3075844



Switching jumper, Pitch: 8 mm, Number of positions: 4, Color: orange

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

Switching jumper - SBP-TB 6-T 2-8 - 3070321



Switching jumper, Pitch: 8.2 mm, Number of positions: 2, Color: orange

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Switching jumper - SBP-TB 6-T 3-8 - 3070322



Switching jumper, Pitch: 8.2 mm, Number of positions: 3, Color: orange

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Switching jumper - SBP-TB 6-T 4-8 - 3070323



Switching jumper, Pitch: 8.2 mm, Number of positions: 4, Color: orange

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Switching jumper - SBP-TB 6-T 4-8 - 3070323



Switching jumper, Pitch: 8.2 mm, Number of positions: 4, Color: orange

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### Switching lock

Switching lock - SL-SB - 3035761



Switching lock, for additional locking of short-circuit switching elements in current transformer measuring circuits, Length: 16.3 mm, Width: 12.5 mm, Height: 13.6 mm, Color: white

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

#### Terminal marking

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

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Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

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#### Test socket

Female test connector - TPS 3/20/5 - 3246586



Female test connector, Color: silver

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Female test connector - PSBJ 6-T GY - 3070316



Female test connector, Color: gray

## Disconnect terminal block - UK 6-T - 3072803

### Accessories

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Female test connector - PSBJ 6-T BN - 3070317



Female test connector, Color: brown

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Female test connector - PSBJ 6-T BK - 3070318



Female test connector, Color: black

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Female test connector - PSBJ 6-T RD - 3070319



Female test connector, Color: red

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Female test connector - PSBJ 6-T OG - 3070320



Female test connector, Color: orange

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Female test connector - PSBJ 6-T WH - 3070324



Female test connector, Color: white

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## Disconnect terminal block - UK 6-T - 3072803

### Accessories

Female test connector - PSBJ 6-T YE - 3070326



Female test connector, Color: yellow

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Female test connector - PSBJ 6-T GN - 3070327



Female test connector, Color: green

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Female test connector - PSBJ 6-T VT - 3070328



Female test connector, Color: violet

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Female test connector - PSBJ 6-T BU - 3070329



Female test connector, Color: blue

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