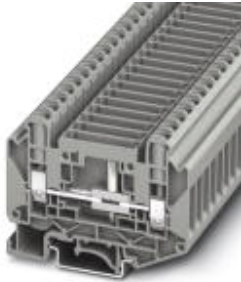


## Test disconnect terminal block - UT 6-T-HV - 3070134

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Test disconnect terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> -10 mm<sup>2</sup> , AWG: 24 - 8, Width: 8.2 mm, Mounting type: NS 35/7,5, NS 35/15, NS 32, Color: gray

### Product Features

- The terminal block provides a function shaft on both sides of the disconnect point and can be fitted with plug-in bridges and test adapters with 4 mm diameter
- The KSS short-circuit plugs make contact either in the test adapter or the test socket screws of the terminal points
- Compact 1000 V test disconnect terminal block with screw disconnect slide
- The CARRIER 35-8 offers a parking option for KSS ... short-circuit plugs and FBS ... plug-in bridges



### Key commercial data

Packing unit	1 1
Minimum order quantity	50 1
Weight per Piece (excluding packing)	26.4 GRM
Custom tariff number	85369010
Country of origin	China

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	57 A (with 10 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III

# Test disconnect terminal block - UT 6-T-HV - 3070134

## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	41 A
Nominal voltage $U_N$	1000 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
	6 mm <sup>2</sup> / 1.4 kg
	10 mm <sup>2</sup> / 2 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm <sup>2</sup>
Tractive force setpoint	10 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
Tensile test result	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	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>
Short-time current	1.2 kA

# Test disconnect terminal block - UT 6-T-HV - 3070134

## Technical data

### General

Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.02 g <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

### Dimensions

Width	8.2 mm
Length	72.6 mm
Height NS 35/7,5	54.3 mm
Height NS 35/15	61.8 mm
Height NS 32	59.3 mm

### Connection data

Note	Terminal point
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	8

# Test disconnect terminal block - UT 6-T-HV - 3070134

## Technical data

### Connection data

Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 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.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded 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>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	12 mm
Internal cylindrical gage	A5
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.4 Nm

## 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

### ETIM

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

# Test disconnect terminal block - UT 6-T-HV - 3070134

## Classifications

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals

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#### Approvals

GOST

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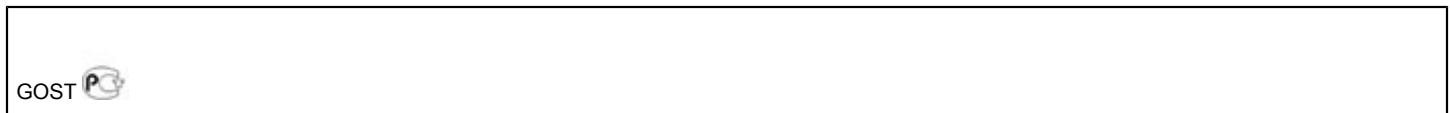
#### Ex Approvals

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Approvals submitted

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### Approval details



## Accessories

### Accessories

#### Bridge

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, Number of positions: 2, Color: red

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, Number of positions: 4, Color: red

---

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, Number of positions: 5, Color: red

---

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, Number of positions: 10, Color: red

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Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, Number of positions: 6, Color: red

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Plug-in bridge - FBS 1/3-8 - 3032363



Plug-in bridge, Number of positions: 3, Pin assignment: 1,3, Color: red

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Plug-in bridge - FBS 1/4-8 - 3032376



Plug-in bridge, Number of positions: 4, Pin assignment: 1,4, Color: red

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Plug-in bridge - FBS 1/3/5-8 - 3032389



Plug-in bridge, Number of positions: 5, Pin assignment: 1,3,5, Color: red

---

Plug-in bridge - FBS 1/4/7/10-8 - 3032402



Plug-in bridge, Number of positions: 10, Pin assignment: 1,4,7,10, Color: red

---

Switching jumper - SB-ME 2-8 - 3034468



Switching jumper, Length: 24.7 mm, Width: 16.4 mm, Number of positions: 2, Color: gray/orange

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Switching jumper - SB-ME 3-8 - 3032800



Switching jumper, Length: 24.7 mm, Width: 24.6 mm, Number of positions: 3, Color: gray/orange

---

Switching jumper - SB-ME 4-8 - 3034484



Switching jumper, Length: 24.7 mm, Width: 32.8 mm, Number of positions: 4, Color: gray/orange

---

Plug-in bridge - FBS 1/5-8 - 3032381

Plug-in bridge, Number of positions: 5, Pin assignment: 1,5

---

Plug-in bridge - FBSRH 2-8 - 3033802



Plug-in bridge, Number of positions: 2, Color: red

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Plug-in bridge - FBSRH 3-8 - 3033803



Plug-in bridge, Number of positions: 3, Color: red

---



## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Plug-in bridge - FBSRH 4-8 - 3033804



Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, Number of positions: 2, Color: red

---

Plug-in bridge - FBSR 3-8 - 3001597



Plug-in bridge, Number of positions: 3, Color: red

---

Plug-in bridge - FBSR 5-8 - 3033809



Plug-in bridge, Number of positions: 5, Color: red

---

Plug-in bridge - FBSR 10-8 - 3001599



Plug-in bridge, Number of positions: 10, Color: red

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Plug-in bridge - FBSR 16-8 - 3033816



Plug-in bridge, Number of positions: 16, Color: red

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Plug-in bridge - FBSR 1/6/11/16-8 - 3033820



Plug-in bridge, non-adjacent, Number of positions: 16, Pin assignment: 1, 6, 11, 16, Color: red

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Plug-in bridge - FBSR 1/7/13/16-8 - 3033821



Plug-in bridge, non-adjacent, Number of positions: 16, Pin assignment: 1, 7, 13, 16, Color: red

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Plug-in bridge - FBSR 1/6/11/14-8 - 3033822



Plug-in bridge, non-adjacent, Number of positions: 16, Pin assignment: 1, 6, 11, 14, Color: red

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### Cover profile

Cover profile - AP-ME METER - 3034361



Cover profile, for covering terminal strips, snapped onto APT-ME cover profile carrier or APH-ME end bracket. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m

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## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Cover profile - APH-ME - 3034374



Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

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Cover profile - APT-ME - 3034358



Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

---

### End block

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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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

---

### End cover

End cover - D-UT 6-T-HV - 3070147



End cover, Length: 72.6 mm, Width: 2.2 mm, Color: gray

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

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Spacer plate - DP PS-8 - 3036741



Spacer plate, Color: red

---

### Flange

End clamp - CARRIER 35-8 - 3034387



End clamp, Width: 8.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

---

### 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

---

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

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### 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

---

### Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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### Mounting rail

DIN rail - 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 - NS 32 UNPERF 2000MM - 1201015



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

---

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

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

---

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



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

---

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



DIN rail 35 mm (NS 35)

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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

---

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



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

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

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



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

---

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

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

---

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 - NS 35/15 UNPERF 2000MM - 1201714



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

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

DIN rail - 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)

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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 - NS 35/15 ZN PERF 2000MM - 1206599



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

---

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



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

---



## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

DIN rail - 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

---

End cap - NS 35/15 CAP - 1206573



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

---

DIN rail - 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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### Partition plate

Partition plate - ATP-URTK/SP - 0311139



Partition plate, Length: 99 mm, Width: 2 mm, Height: 64 mm, Color: gray

---

### Screwdriver tools

Screwdriver - SZG 0,9X6,5 VDE - 1205134



Screwdriver, slot-headed, graded, for test socket screws, size: 0.9 x 6.5 x 175 mm, 2-component grip, with non-slip grip

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

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Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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

### Short-circuit connector

Short-circuit connector - KSS 8 - 0311540



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

Short-circuit connector - KSS 4- 8 - 0309549



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

### Switching lock

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Switching lock - S-UT 6-T-HV - 3070150



Switching lock, Length: 12 mm, Width: 8.2 mm, Color: white

---

### 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

---

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

---

Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

---

### Test plug terminal block

Test adapter - PAI-4-FIX BU - 3032729



Test adapter, Color: blue

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

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Test adapter - PAI-4-FIX OG - 3034455



Test adapter, Color: orange

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Test adapter - PAI-4-FIX YE - 3032745



Test adapter, Color: yellow

---

Test adapter - PAI-4-FIX RD - 3032732



Test adapter, Color: red

---

Test adapter - PAI-4-FIX GN - 3032758



Test adapter, Color: green

---

Test adapter - PAI-4-FIX BK - 3032774



Test adapter, Color: black

---

## Test disconnect terminal block - UT 6-T-HV - 3070134

### Accessories

Test adapter - PAI-4-FIX GY - 3032790



Test adapter, Color: gray

---

Test adapter - PAI-4-FIX VT - 3032761



Test adapter, Color: violet

---

Test adapter - PAI-4-FIX BN - 3032787



Test adapter, Color: brown

---

Test adapter - PS-8 - 3031005



Test adapter, Color: red

---

Test adapter - PS-8/2,3MM RD - 3048564



Test adapter, Color: red

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### Drawings

## Test disconnect terminal block - UT 6-T-HV - 3070134

Circuit diagram



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