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Test terminal strip, nom. voltage: 400 V AC/DC, connection method: Screw connection, number of connections: 10, number of positions: 5, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, width: 73.8 mm, height: 56.5 mm, color: gray, mounting type: Wall mounting

#### Your advantages

- Solution of the tailored, modular design and use of standardized CLIPLINE complete accessories
- Space saving, thanks to compact, modular test terminal strips
- Maximum safety with leading and automatic transformer short circuit

The integrated, robust switch contact is designed for the most stringent demands, and the use of high-quality materials ensures the transmission of signal currents, even after multiple actuations



### Key Commercial Data

COMPLETE No.

Packing unit	1
GTIN	4 0 4 6 3 5 6 8 8 8 3 1 8
GTIN	4046356888318
Custom tariff number	85369010

### Technical data

#### General

Number of positions	5
Number of levels	1
Number of connections	10
Potentials	5
Nominal cross section	6 mm²
Color	gray
Insulating material	РА

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## Technical data

General

Flammability rating according to UL 94	V0	
Rated surge voltage	4 kV	
Test surge voltage	5 kV	
Overvoltage category	Ш	
Insulating material group	1	
Maximum power dissipation for nominal condition	1.31 W	
Maximum load current	30 A (with 10 mm <sup>2</sup> conductor cross section)	
Nominal voltage U <sub>N</sub>	400 V AC/DC	
Open side panel	No	
Terminal block mounting	0.8 Nm 1 Nm	
Ambient temperature (operation)	-60 °C 85 °C	
Ambient temperature (storage/transport)	-25 °C 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)	
Permissible humidity (storage/transport)	30 % 70 %	
Ambient temperature (assembly)	-5 °C 70 °C	
Ambient temperature (actuation)	-5 °C 70 °C	
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11	
Back of the hand protection	guaranteed	
Finger protection	guaranteed	
Note regarding shock protection	When plugged in	
Result of surge voltage test	Test passed	
Result of power-frequency withstand voltage test	Test passed	
Power frequency withstand voltage setpoint	1.89 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	0.2 mm² / 0.2 kg	
	6 mm² / 1.4 kg	
	10 mm² / 2 kg	
Tensile test result	Test passed	
Result of tight fit on support	Test passed	
Setpoint	5 N	
Result of voltage-drop test	Test passed	
Result of temperature-rise test	Test passed	
Requirement temperature-rise test	Increase in temperature ≤ 45 K	



## Technical data

### General

Conductor cross section short circuit testing	4 mm <sup>2</sup>	
Short-time current	300 A	
Conductor cross section short circuit testing	4 mm <sup>2</sup>	
Short-time current	500 A	
Conductor cross section short circuit testing	4 mm <sup>2</sup>	
Short-time current	150 A	
Conductor cross section short circuit testing	4 mm <sup>2</sup>	
Short-time current	1250 A	
Result of thermal test	Test passed	
Ageing test for screwless modular terminal block temperature cycles	192	
Proof of thermal characteristics (needle flame) effective duration	30 s	
Result of aging test	Test passed	
Oscillation, broadband noise test result	Test passed	
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03	
Test spectrum	Service life test category 2, bogie-mounted	
Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$	
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz	
Acceleration	3.12 g	
Test duration per axis	5 h	
Test directions	X-, Y- and Z-axis	
Shock test result	Test passed	
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03	
Shock form	Half-sine	
Acceleration	30g	
Shock duration	18 ms	
Number of shocks per direction	3	
Test directions	X-, Y- and Z-axis (pos. and neg.)	
Relative insulation material temperature index (Elec., UL 746 B)	130 °C	
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C	
Static insulating material application in cold	-60 °C	
Surface flammability NFPA 130 (ASTM E 162)	passed	
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed	
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg	
Smoke gas toxicity NFPA 130 (SMP 800C)	passed	
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	



### Technical data

General

Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3	
Dimensions		
Width	73.8 mm	
Length	81 mm	
Height	56.5 mm	
Plate thickness	1 mm 4 mm	
Pitch	8.2 mm	

#### Connection data

Connection	1 level	
Connection method	Screw connection	
Screw thread	M4	
Stripping length	12 mm	
Tightening torque, min	1.5 Nm	
Tightening torque max	1.8 Nm	
Connection in acc. with standard	IEC 60947-7-1	
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 min.	24	
Conductor cross section AWG max.	8	
Conductor cross section flexible min.	0.2 mm <sup>2</sup>	
Conductor cross section flexible max.	10 mm <sup>2</sup>	
Min. AWG conductor cross section, flexible	24	
Max. AWG conductor cross section, flexible	8	
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 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.	0.25 mm <sup>2</sup>	
Conductor cross section flexible, 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>	
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm²	
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	2.5 mm <sup>2</sup>	
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.25 mm²	



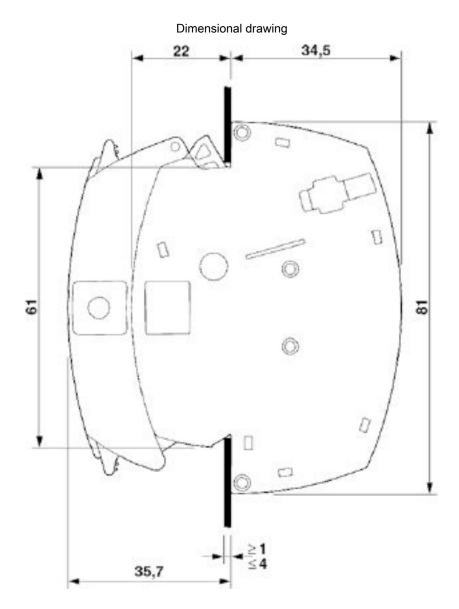
### Technical data

#### Connection data

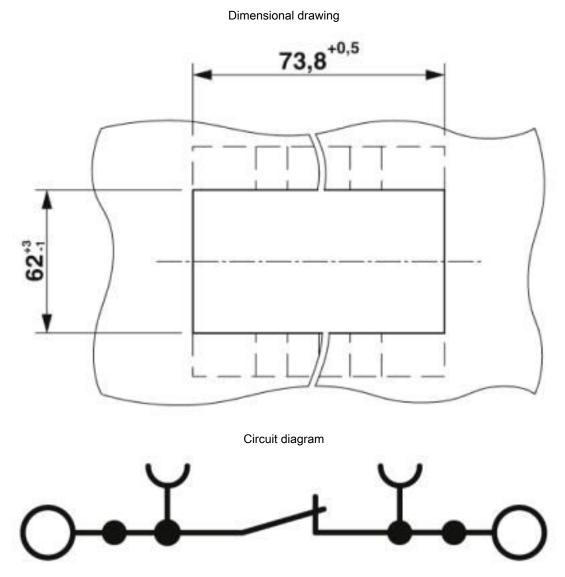
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm <sup>2</sup>		
Internal cylindrical gage	A5		
Mounting			
Mounting type	Wall mounting		
Plate thickness	1 mm 4 mm		
Min. tightening torque of the mounting screw:	0.8 Nm		
Max. tightening torque of the mounting screw:	1 Nm		
Standards and Regulations			
Connection in acc. with standard	IEC 60947-7-1		
Flammability rating according to UL 94	V0		
Environmental Product Compliance			
REACh SVHC	Lead 7439-92-1		
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Drawings









## Classifications

eCl@ss

eCl@ss 10.0.1	27141126
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141126

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## Classifications

eCl@ss

eCl@ss 8.0	27141126
eCl@ss 9.0	27141126

### ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000902
ETIM 6.0	EC000902
ETIM 7.0	EC000902

#### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

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#### Approval details

CSA	<b>()</b>	http://www.csagroup.org/services-industries/product-listing/		013631
			D	
Nominal voltage UN			300 V	
Nominal current IN			10 A	

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### Approvals

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	D
mm²/AWG/kcmil	24-8

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425
	D
Nominal voltage UN	300 V
Nominal current IN	10 A
mm²/AWG/kcmil	24-8

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FF	RAME/index.htm FILE E 60425
	D	
Nominal voltage UN	300 V	
Nominal current IN	10 A	
mm²/AWG/kcmil	24-8	

EAC

EAE

RU C-DE.BL08.B.00682

cULus Recognized

### Accessories

Accessories

Blind plug

Dummy plug - FBP-2/5 - 3069876



Dummy plug, pitch: 8.2 mm, length: 72.9 mm, width: 73.4 mm, number of positions: 5, color: gray

Coding element

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### Accessories

Coding profile - PC-UTWE-TRI - 3069897



Coding profile, For UTWE 6-2 and UTRE 6-2 block, design: delta, length: 44.7 mm, width: 10.7 mm, height: 4.3 mm, color: red

#### Cover profile

Cover profile - AP RSC-T - 3059139



Cover profile, for covering terminal strips, directly snapped onto RBO... and RSC... test disconnect terminal blocks. Length supplied: 1 m

#### Cover profile carrier

Cover profile carrier - APH-UTWE 6-2 - 3069057



Cover profile carrier, width: 8 mm, height: 56.6 mm, material: PA, length: 80.9 mm, color: gray

#### Jumper

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red



### Accessories

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, pitch: 8.2 mm, width: 47.5 mm, number of positions: 6, color: red

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: red

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### Accessories

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



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, pin assignment: 1,3, color: red

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



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, pin assignment: 1, 4, color: red

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



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, pin assignment: 1,3,5, color: red

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



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, pin assignment: 1,4,7,10, color: red

Plug-in bridge - FBSR 16-8 - 3033816



Plug-in bridge, pitch: 8.2 mm, width: 129.5 mm, number of positions: 16, color: red

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### Accessories

Plug-in bridge - FBS 2-8 CT - 3033830



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: orange

Plug-in bridge - FBS 3-8 CT - 3033831



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: orange

Plug-in bridge - FBS 4-8 CT - 3033832



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: orange

Plug-in bridge - FBS 10-8 CT - 3033833



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: orange

Plug-in bridge - FBS 2-8 BU - 3032567



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: blue

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### Accessories

Plug-in bridge - FBS 3-8 BU - 3032570



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-8 BU - 3032583



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-8 BU - 3032596



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 6-8 BU - 3032677



Plug-in bridge, pitch: 8.2 mm, width: 47.5 mm, number of positions: 6, color: blue

Plug-in bridge - FBS 10-8 BU - 3032606



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: blue

Labeled terminal marker

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### Accessories

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 size: 10.5 x 8.15 mm, Number of individual labels: 10

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 size: 7.6 x 10.5 mm, Number of individual labels: 56

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 size: 7.6 x 10.5 mm, Number of individual labels: 42

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



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: 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 size: 10.5 x 8.15 mm, Number of individual labels: 10

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



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-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 size: 10.5 x 8.15 mm, Number of individual labels: 10



### Accessories

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



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-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 size: 10.5 x 8.15 mm, Number of individual labels: 10

#### Screwdriver tools

Screwdriver - SF-SL 0,8X4,0-100 - 1212551



Screwdriver, bladed (lasered), size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SF-SL 0,8X4,0-100 S-VDE - 1212588



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

#### Terminal marking

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56



### Accessories

Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

#### Marker for terminal blocks - TMT (EX9,5)R - 0828295



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snap into universal marker groove, snap into tall marker groove, for terminal block width: 50000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

Marker for terminal blocks - US-TM 100 - 0829255



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into universal marker groove, lettering field size: 104 x 9.8 mm, Number of individual labels: 13

Test plug terminal block

Test plug - FTPR-2/5 - 3001683



Test plug, Freely configurable, with twist grip, number of positions: 5, width: 73.4 mm, color: gray

Test plug - FTP-2/5 - 3001707



Test plug, freely configurable, number of positions: 5, width: 73.4 mm, color: gray



### Accessories

Test socket

Test adapter - PAI-4-N GY - 3032871

4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

Test adapter - PAI-4-FIX BU - 3032729

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: blue

Test adapter - PAI-4-FIX OG - 3034455

4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX YE - 3032745

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: yellow

Test adapter - PAI-4-FIX RD - 3032732

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: red

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### Accessories

Test adapter - PAI-4-FIX GN - 3032758

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: green

Test adapter - PAI-4-FIX BK - 3032774

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: black

Test adapter - PAI-4-FIX GY - 3032790

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: gray

Test adapter - PAI-4-FIX VT - 3032761

Test adapter, for 4 mm test plug and terminal blocks with 4.2 mm ... 8.2 mm pitch, color: violet

Test adapter - PAI-4-FIX BN - 3032787

Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: brown

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### Accessories

Test adapter - PAI-4-FIX WH - 3032797

4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAIS-4-FIX GY - 3032791

Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: gray

Test adapter - PAIS-4-FIX BK - 3032792



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: black

Test adapter - PAIS-4-FIX RD - 3032793



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: red

Test adapter - PAIS-4-FIX BU - 3032798

Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: blue



### Accessories

Test adapter - PAIS-4-FIX YE - 3032799



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: yellow

Test adapter - PAIS-4-FIX GN - 3032801



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: green

Test adapter - PAIS-4-FIX VT - 3032802



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: violet

Female test connector - PSBJ-URTK 6 FARBLOS - 3026450



Female test connector, color: transparent

Female test connector - PSBJ-URTK 6 RD - 3026719



Female test connector, color: red

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### Accessories

Female test connector - PSBJ-URTK 6 BU - 3026434



Female test connector, color: blue

Female test connector - PSBJ-URTK 6 YE - 3026405



Female test connector, color: yellow

Female test connector - PSBJ-URTK 6 GN - 3026418



Female test connector, color: green

Female test connector - PSBJ-URTK 6 VT - 3026421



Female test connector, color: violet

Female test connector - PSBJ-URTK 6 GY - 3026612



Female test connector, color: gray

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### Accessories

Female test connector - PSBJ-URTK 6 BK - 3026447



Female test connector, color: black

Female test connector - PSBJ-URTK 6 BN - 3026971



Female test connector, color: brown

Female test connector - PSBJ-URTK 6 WH - 3026448



Female test connector, color: white

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