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Test disconnect terminal block, connection method: Spring-cage connection, cross section: 0.2 mm^2 - 10 mm^2 , AWG: 24 - 10, width: 8.2 mm, color: gray

Your advantages

- ☑ Connection of standard solar cables up to 10 mm² and with 7.5 mm outside diameter
- The DP-STMED 6 spacer plate ensures sufficient spacing between two adjacent diode terminal blocks
- ☑ Consistent function shafts enable the simple grouping of individual PV lines using plug-in bridges



Key Commercial Data

Packing unit	50 pc
GTIN	4 046356 609814
GTIN	4046356609814

Technical data

General

Number of levels	1
Number of levels	l e e e e e e e e e e e e e e e e e e e
Number of connections	2
Potentials	1
Nominal cross section	6 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.31 W



Technical data

General

Nominal current I _k Nominal voltage U _k 1000 V Nominal voltage V Nom	Maximum load current	30 A (with 10 mm² conductor cross section)
Open side panel Yes Ambient temperature (poeration) -60 °C 85 °C Ambient temperature (storage/transport) -25 °C 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) Ambient temperature (actuation) -5 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Back of the hand protection guaranteed Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of be test for mechanical stability of terminal points (5 x conductor conductors conductors.) Test passed Power frequency withstand voltage setpoint 12 c kV Result of bending test totation speed 10 rpm Bending test totation speed 10 rpm Bending test totation speed 10 rpm Bending test conductor cross section/weight 0.2 mm² / 0.2 kg Bending test tresult Test passed Result of vight fit on support Test passed	Nominal current I _N	30 A
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 °C Ambient temperature (ascendity) -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 Result of surge voltage test Test passed Result of surge voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of bending test of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of bending test transling test totalion speed 10 rpm Bending test totalion speed 10 rpm Bending test conductor cross section/weight 0.2 mm² / 0.2 kg Test passed 10 mm² / 2 kg <	Nominal voltage U _N	1000 V
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 (actuation) 5 °C 70 °C Shock protection test specification DIN EN 50274 (VDE 0860-514):2002-11 guaranteed Finger protection Result of the hand protection Result of surge voltage test Test passed Power frequency withstand voltage setpoint Result of power-frequency withstand voltage setpoint Result of bending test for mechanical stability of terminal points (5 x conductor connection) Result of bending test truns Bending test truns Bending test truns Bending test truns 135 Bending test truns Bending test truns Test passed 10 rpm Bending test truns 136 Bending test truns Test passed 10 to mm² / 2 kg Tensile test result Test passed Test passed Test passed Test passed Test passed Frest passed Test	Open side panel	Yes
Permissible humidity (storagetransport) 30 % 70 % Ambient temperature (assembly) -5 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Shock protection test specification DIN Ex 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of bending test Test passed Bending test troation speed 10 rpm Bending test conductor cross section/weight 0.2 mm² / 0.2 kg Bending test conductor cross section/weight 0.2 mm² / 0.2 kg Tensile test result Test passed Result of light fit on support Test passed Test plays and the set of test plays and test protection of test plays and test	Ambient temperature (operation)	-60 °C 85 °C
Ambient temperature (assembly) 5° C 70° C Ambient temperature (actuation) 5° C 70° C Shock protection test specification DIN EN 50274 (VDE 0680-514):2002-11 Back of the hand protection Finger protection Guaranteed Finger protection Guaranteed Finger protection Guaranteed Finger protection Guaranteed Finger protection Finger protection Guaranteed Guara	Ambient temperature (storage/transport)	-25 °C 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Ambient temperature (actuation) Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection Result of surge voltage test Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test trotation speed Bending test trotation speed Bending test conductor cross section/weight 0.2 mm² / 1.4 kg 10 mm² / 2 kg Test passed Result of tight fit on support Test passed Result of to support Test passed Result of voltage-drop test Result of tight fit on carrier NS 35 Setpoint Setult of voltage-drop test Result of themal test Result of themal test Result o	Permissible humidity (storage/transport)	30 % 70 %
Shock protection test specification Back of the hand protection Buranteed Result of surge voltage test Result of surge voltage test Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Bending test rotation speed Bending test rotation speed 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 Result of vidage-drop test Result of vidage-drop test Result of temperature-rise test Requirement temperature-rise test Requirement temperature-rise test Conductor cross section short circuit testing A mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 1.25 kA	Ambient temperature (assembly)	-5 °C 70 °C
Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed 10 rpm Bending test toration speed 10 rpm Bending test toration speed 10 rpm 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 Result of tight fit on support Test passed Result of voltage-drop test Test passed Result of voltage-drop test Test passed Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of termal characteristics (needle flame) effective duration 30 s	Ambient temperature (actuation)	-5 °C 70 °C
Finger protection guaranteed Result of surge voltage test Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bette test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight 0.2 mm² / 0.2 kg 6 mm² / 1.4 kg 10 mm² / 2 kg Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed NS 35 Setpoint S N Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short-circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Result of term paraller test Result of temperature is testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of termal characteristics (needle flame) effective duration 30 s	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Result of surge voltage test Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed 10 rpm Bending test rotation speed 10 rpm Bending test toration speed 10 2 mm² / 0.2 kg 6 mm² / 1.4 kg 10 mm² / 2 kg Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Test passed Result of temperature-rise test Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 30 s	Back of the hand protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) 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 Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Result of thermal characteristics (needle flame) effective duration 30 s	Finger protection	guaranteed
Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Result of bending test Bending test rotation speed Bending test turns Bending test conductor cross section/weight 0.2 mm² / 0.2 kg 6 mm² / 1.4 kg 10 mm² / 2 kg Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal characteristics (needle flame) effective duration 30 s	Result of surge voltage test	Test passed
Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Result of bending test passed Bending test rotation speed Bending test turns Bending test conductor cross section/weight 0.2 mm² / 0.2 kg 6 mm² / 1.4 kg 10 mm² / 2 kg Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Result of thermal test Result of thermal test Result of thermal test Test passed	Result of power-frequency withstand voltage test	Test passed
Result of bending test Bending test rotation speed Bending test turns Bending test turns 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 Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed A mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Result of termal characteristics (needle flame) effective duration 30 s	Power frequency withstand voltage setpoint	2.2 kV
Bending test rotation speed 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 Tight fit on carrier NS 35 Setpoint Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short-tircuit stability result Conductor cross section short circuit testing Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Result of thermal test Test passed		Test passed
Bending test turns 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 Tight fit on carrier NS 35 Setpoint Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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 bending test	Test passed
Bending test conductor cross section/weight 0.2 mm² / 1.4 kg 10 mm² / 2 kg Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Bending test rotation speed	10 rpm
6 mm² / 1.4 kg 10 mm² / 2 kg Tensile test result Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint Solvation of thermal characteristics (needle flame) effective duration 10 mm² / 2 kg 10 mm² / 2 kg 10 mm² / 2 kg Test passed Test passed Test passed Test passed Result of voltage-drop test Test passed Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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	Bending test turns	135
Tensile test result Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing Short-time current Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 7 test passed 1 test passed	Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
Tensile test result Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint Result of voltage-drop test Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing Short-time current O.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s		6 mm² / 1.4 kg
Result of tight fit on support Test passed Tight fit on carrier NS 35 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 Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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		10 mm² / 2 kg
Tight fit on carrier Setpoint Setpoint Setpoint Result of voltage-drop test Result of temperature-rise test Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Tensile test result	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 Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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 tight fit on support	Test passed
Result of voltage-drop test Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 7 est passed Test passed Test passed 1 2 passed 30 s	Tight fit on carrier	NS 35
Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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	Setpoint	5 N
Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Result of voltage-drop test	Test passed
Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 7 est passed 1.25 kA	Result of temperature-rise test	Test passed
Conductor cross section short circuit testing 4 mm² Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Requirement temperature-rise test	Increase in temperature ≤ 45 K
Short-time current 0.5 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 0.5 kA 0.15 kA 1.25 kA	Short circuit stability result	Test passed
Conductor cross section short circuit testing 4 mm² Short-time current 0.15 kA Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Conductor cross section short circuit testing	4 mm²
Short-time current Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Short-time current	0.5 kA
Conductor cross section short circuit testing 4 mm² Short-time current 1.25 kA 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	Conductor cross section short circuit testing	4 mm²
Short-time current 1.25 kA Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Short-time current	0.15 kA
Result of thermal test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration Test passed 192 Proof of thermal characteristics (needle flame) effective duration 30 s	Conductor cross section short circuit testing	4 mm²
Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s	Short-time current	1.25 kA
Proof of thermal characteristics (needle flame) effective duration 30 s	Result of thermal test	Test passed
, ,	Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test Test passed	Proof of thermal characteristics (needle flame) effective duration	30 s
	Result of aging test	Test passed



Technical data

General

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	11.83 (m/s²)²/Hz
Acceleration	4.25 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))	130 °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)	28 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
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	8.2 mm
Length	100.8 mm
Height NS 35/7,5	49.6 mm
Height NS 35/15	57.1 mm

Connection data

Connection method	Spring-cage connection
Stripping length	12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8



Technical data

Connection data

Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	1.5 mm ²
Internal cylindrical gage	A4

Standards and Regulations

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

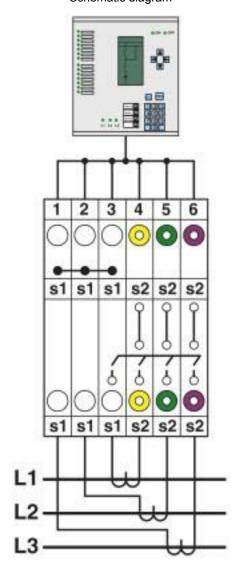
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

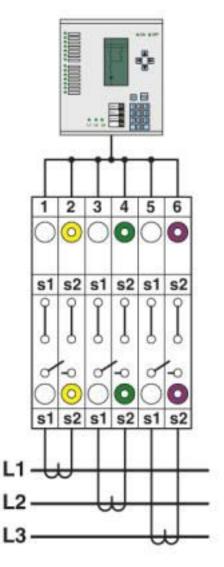
Drawings



Schematic diagram



Schematic diagram

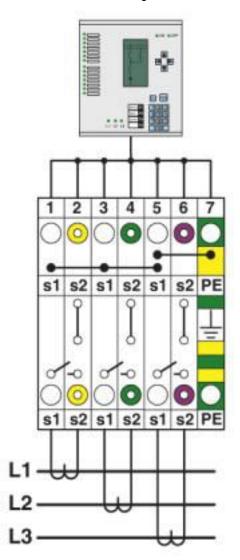


Interlinked three-phase current transformer set

Simple three-phase current transformer set

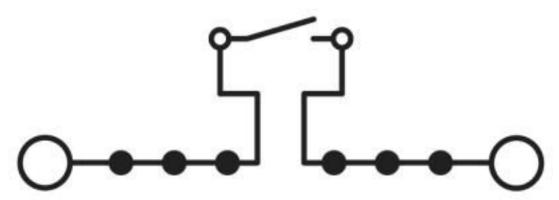


Schematic diagram

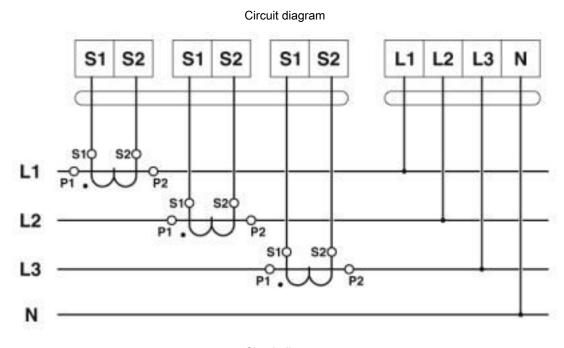


Interlinked three-phase current transformer set with grounded star point

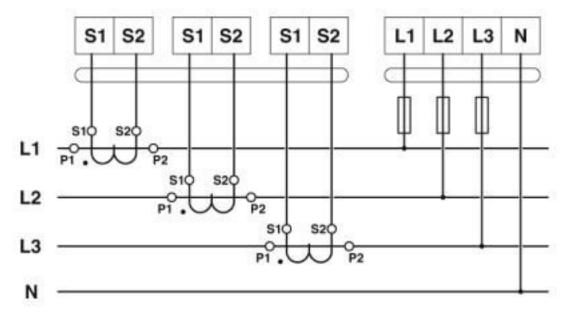
Circuit diagram







Circuit diagram



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



Classifications

eCl@ss

eCl@ss 7.0	27141126
eCl@ss 8.0	27141126
eCl@ss 9.0	27141126

ETIM

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
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 / EAC / cULus Recognized

Ex Approvals

Approval details

CSA	(P	http://www.csagroup.org/services-indus	stries/product-listing/ 13631
		В	С
Nominal voltage UN		600 V	600 V
Nominal current IN		30 A	30 A



Approvals

	В	С
mm²/AWG/kcmil	24-8	24-8

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425			
		В	С	D
Nominal voltage UN	600 V	300 V	300 V	600 V
Nominal current IN	30 A	30 A	30 A	5 A
mm²/AWG/kcmil	24-8	24-8	24-8	24-8

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425			
		В	С	D
Nominal voltage UN	600 V	300 V	300 V	600 V
Nominal current IN	30 A	30 A	30 A	5 A
mm²/AWG/kcmil	24-8	24-8	24-8	24-8

EAC	EAC	RU C- DE.A*30.B.01742
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EAC [H[RU C- DE.BL08.B.00644
LIIL	DE.DE00.D.00044

cULus Recognized

Accessories

Accessories

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



Accessories

Covering hood - AH-ME - 3240265



Cover, for the contact- and dust-protected encapsulation of the components

Cover profile carrier

Cover profile carrier - APH-ME - 3034374



Cover profile carrier, for mounting on NS 35/7,5 DIN rail, for fixing the AP-ME cover profile, can be sealed as an option

Cover profile carrier - APT-ME - 3034358



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

DIN rail

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver



Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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

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



Documentation

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block



End block

End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

End cover

End cover - D-DTME 6 - 3034426



End cover, length: 99.8 mm, width: 2.2 mm, height: 49.6 mm, color: gray

Jumper



Accessories

Plug-in bridge - FBS 2-8 - 3030284



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

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 10-8 - 3030323



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



Accessories

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 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



Accessories

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



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

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



Accessories

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

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



Accessories

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

Plug-in bridge - FBS 2-8 GY - 3032621



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

Plug-in bridge - FBS 3-8 GY - 3032622



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

Plug-in bridge - FBS 4-8 GY - 3032635



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

Plug-in bridge - FBS 5-8 GY - 3032648



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



Accessories

Plug-in bridge - FBS 6-8 GY - 3032664



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

Plug-in bridge - FBS 10-8 GY - 3032651



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

Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, pitch: 8.2 mm, width: 14.8 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-8 - 3001597



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

Plug-in bridge - FBSR 4-8 - 3000585



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



Accessories

Plug-in bridge - FBSR 5-8 - 3033809



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

Plug-in bridge - FBSR 10-8 - 3001599



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

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



Plug-in bridge, non-adjacent, pitch: 8.2 mm, width: 129.5 mm, number of positions: 16, pin assignment: 1, 6, 11, 16, color: red

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



Plug-in bridge, non-adjacent, pitch: 8.2 mm, width: 129.5 mm, number of positions: 16, pin assignment: 1, 7, 13, 16, color: red



Accessories

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



Plug-in bridge, non-adjacent, pitch: 8.2 mm, width: 129.5 mm, number of positions: 16, pin assignment: 1, 6, 11, 14, color: red

Partition plate

Partition plate - CARRIER 35-8 - 3034387



Partition plate, width: 8.2 mm, material: PA, length: 99.8 mm, With storage option for FBS...-8 and PAI 4-FIX, color: gray

Separating plate - TS-UT 6-T/SP - 3072821



Separating plate, length: 105.2 mm, width: 1 mm, height: 67.5 mm, color: gray

Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: $0.8 \times 4.0 \times 100$ mm, 2-component grip, with non-slip grip

Short-circuit connector

Short-circuit connector - FBSRH 2-8 - 3033802



Short-circuit connector, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red



Accessories

Short-circuit connector - FBSRH 3-8 - 3033803



Short-circuit connector, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Short-circuit connector - FBSRH 4-8 - 3033804



Short-circuit connector, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Switch module

Operating lever - C-ME 6/1 - 3034441



Operating lever, for switching test disconnect terminal blocks on and off

Operating lever - C-ME 6/2 - 3034442



Operating lever, length: 5 mm, width: 16 mm, height: 5 mm, number of positions: 2, color: orange

Operating lever - C-ME 6/3 - 3034390



Operating lever, length: 5 mm, width: 24.1 mm, height: 5 mm, number of positions: 3, color: orange

Switching jumper



Accessories

Switching jumper - SB-ME 2-8 - 3034468



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 16.4 mm, number of positions: 2, color: gray/orange

Switching jumper - SB-ME 2-8 - 3034468



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 16.4 mm, number of positions: 2, color: gray/orange

Switching jumper - SB-ME 3-8 - 3032800



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 24.6 mm, number of positions: 3, color: gray/orange

Switching jumper - SB-ME 4-8 - 3034484



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 32.8 mm, number of positions: 4, color: gray/orange

Switching jumper - SB-MER 2-8 - 3000587



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 16.4 mm, number of positions: 2, color: gray/orange



Accessories

Switching jumper - SB-MER 3-8 - 3000588



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 24.6 mm, number of positions: 3, color: gray/orange

Switching jumper - SB-MER 4-8 - 3000589



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 32.8 mm, number of positions: 4, color: gray/orange

Switching lock

Switching lock - S-ME 6 - 3034439



Switching lock, length: 12 mm, width: 8.2 mm, color: white

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

Test plug terminal block

Test plugs - PS-6 - 3030996



Test plugs, Modular test plug, color: red



Accessories

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, color: red

Test socket

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



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



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

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