

Test disconnect terminal block - STME 6 HV - 3035693

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Test disconnect terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 10, Width: 8.2 mm, Color: gray

Why buy this product

- 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
- A space-saving design of the same shape for compact generator connection boxes
- Consistent function shafts enable the simple grouping of individual PV lines using plug-in bridges



Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 609814
Weight per Piece (excluding packing)	24.82 g
Custom tariff number	85369010
Country of origin	Poland

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	30 A
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I

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Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Maximum load current	30 A (with 10 mm ² conductor cross section)
Nominal current I _N	30 A
Nominal voltage U _N	1000 V
Maximum load current	30 A (with 10 mm ² conductor cross section)
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 ² / 0.2 kg
	6 mm ² / 1.4 kg
	10 mm ² / 2 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 6,4 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.5 kA
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.15 kA
Conductor cross section short circuit testing	4 mm ²
Short-time current	1.25 kA
Short circuit stability result	Test passed

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General

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 thermal test	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	$11.83 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	4.25 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	30g
Shock duration	18 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	100.8 mm
Height NS 35/7,5	49.6 mm
Height NS 35/15	57.1 mm

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	6 mm ²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²

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Connection data

Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Stripping length	12 mm
Internal cylindrical gage	A4

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

ETIM

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

UNSPSC

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

Approvals

Approvals

Approvals

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

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Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized

		B	C	D
mm ² /AWG/kcmil	24-8	24-8	24-8	24-8
Nominal current I _N	30 A	30 A	30 A	5 A
Nominal voltage U _N	600 V	300 V	300 V	600 V

cUL Recognized

		B	C	D
mm ² /AWG/kcmil	24-8	24-8	24-8	24-8
Nominal current I _N	30 A	30 A	30 A	5 A
Nominal voltage U _N	600 V	300 V	300 V	600 V

CSA

	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	30 A	30 A
Nominal voltage U _N	600 V	600 V

EAC

cULus Recognized

Accessories

Accessories

Cover profile

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Accessories

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

Cover profile - APT-ME - 3034358



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

Covering hood - AH-ME - 3240265



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

Documentation

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block



End block

End clamp - CARRIER 35-8 - 3034387



End clamp, Width: 8.2 mm, Length: 99.8 mm, Color: gray

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Accessories

End clamp - APH-ME - 3034374



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

End cover

End cover - D-DTME 6 - 3034426



End cover, Length: 99.8 mm, Width: 2.2 mm, Height: 49.6 mm, Color: gray

Spacer plate - DP PS-6 - 3036738



Spacer plate, Color: red

Jumper

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, Length: 29.6 mm, Width: 14.7 mm, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-8 - 3030297



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

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Accessories

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

Plug-in bridge - FBS 6-8 - 3032470



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

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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Accessories

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



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

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

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



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

Plug-in bridge - FBSRH 2-8 - 3033802



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

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Accessories

Plug-in bridge - FBSRH 3-8 - 3033803



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

Plug-in bridge - FBSRH 4-8 - 3033804



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

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 4-8 - 3000585



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

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Accessories

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

Plug-in bridge - FBSR 16-8 - 3033816



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

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

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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Accessories

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

Mounting rail

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

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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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Accessories

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



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

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

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

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



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

Screwdriver tools

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Accessories

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



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

Switch module

Operating lever - C-ME 6/1 - 3034441



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

Connecting bridge - C-ME 6/2 - 3034442



Connecting bridge, Length: 5 mm, Width: 16 mm, Height: 5 mm, Number of positions: 2, Color: orange

Connecting bridge - C-ME 6/3 - 3034390



Connecting bridge, Length: 5 mm, Width: 24.1 mm, Height: 5 mm, Number of positions: 3, Color: orange

Switching jumper

Switching jumper - SB-ME 2-8 - 3034468



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

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Accessories

Switching jumper - SB-ME 2-8 - 3034468



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

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

Switching lock

Switching lock - S-ME 6 - 3034439



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

Test plug terminal block

Test plugs - PAI-4-FIX BU - 3032729



Test plugs, Color: blue

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Accessories

Test plugs - PAI-4-FIX OG - 3034455



Test plugs, Color: orange

Test plugs - PAI-4-FIX YE - 3032745



Test plugs, Color: yellow

Test plugs - PAI-4-FIX RD - 3032732



Test plugs, Color: red

Test plugs - PAI-4-FIX GN - 3032758



Test plugs, Color: green

Test plugs - PAI-4-FIX BK - 3032774



Test plugs, Color: black

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Accessories

Test plugs - PAI-4-FIX GY - 3032790



Test plugs, Color: gray

Test plugs - PAI-4-FIX VT - 3032761



Test plugs, Color: violet

Test plugs - PAI-4-FIX BN - 3032787



Test plugs, Color: brown

Test plugs - PAIS-4-FIX GY - 3032791



Test plugs, Color: gray

Test plugs - PAIS-4-FIX BK - 3032792



Test plugs, Color: black

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Accessories

Test plugs - PAIS-4-FIX RD - 3032793



Test plugs, Color: red

Test plugs - PS-6 - 3030996



Test plugs, Color: red

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



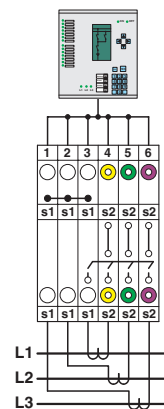
Test plugs, Color: red

Drawings

Circuit diagram



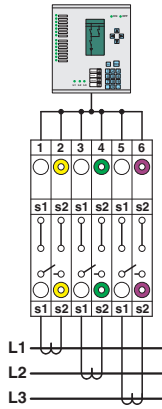
Schematic diagram



Interlinked three-phase current transformer set

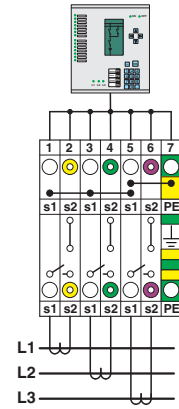
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Schematic diagram



Simple three-phase current transformer set

Schematic diagram



Interlinked three-phase current transformer set with grounded star point