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 STK
GTIN	4 046356 609814

Technical data

General

Number of levels	1
Number of connections	2
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
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	30 A (with 10 mm² conductor cross section)
Nominal current I_N	30 A
Nominal voltage U_N	1000 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed

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Technical data

General

Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
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)	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 mm^2 / 1.4 kg
	10 mm² / 2 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.2 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm²
Tractive force setpoint	90 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 6,4 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	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 aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
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 Hz to f_2 = 250 Hz

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Technical data

General

ASD level	11.83 $(m/s^2)^2$/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

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
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
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
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Stripping length	12 mm
Internal cylindrical gage	A4

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Technical data

Standards and Regulations

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

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

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

Ex Approvals

Approvals submitted

Test disconnect terminal block - STME 6 HV - 3035693

Approvals

Approval details

UL Recognized

		B	C	D
mm²/AWG/kcmil	24-8	24-8	24-8	24-8
Nominal current IN	30 A	30 A	30 A	5 A
Nominal voltage UN	600 V	300 V	300 V	600 V

cUL Recognized

		B	C	D
mm²/AWG/kcmil	24-8	24-8	24-8	24-8
Nominal current IN	30 A	30 A	30 A	5 A
Nominal voltage UN	600 V	300 V	300 V	600 V

CSA

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

EAC

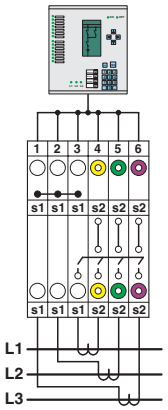
cULus Recognized

Drawings

Test disconnect terminal block - STME 6 HV - 3035693

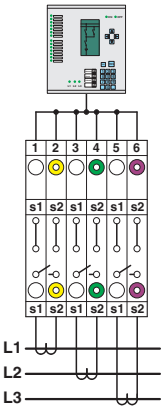
Circuit diagram

Schematic diagram



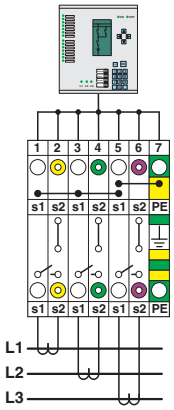
Interlinked three-phase current transformer set

Schematic diagram



Simple three-phase current transformer set

Schematic diagram



Interlinked three-phase current transformer set with grounded star point

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