Test terminal strip - RSCWE 6-3/11 - 3969915

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Test terminal strip, nom. voltage: 400 V, connection method: Ring cable lug, number of connections: 22, number of positions: 11, width: 122.3 mm, height: 70.1 mm, color: gray, mounting type: Wall mounting

Why buy this product

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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 055626 271576
GTIN	4055626271576

Technical data

General

Number of positions	11
Number of levels	1
Number of connections	22
Potentials	11
Nominal cross section	6 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Test surge voltage	5 kV
Overvoltage category	III
Insulating material group	I

Test terminal strip - RSCWE 6-3/11 - 3969915

Technical data

General

Maximum power dissipation for nominal condition	1.31 W
Ambient temperature (operation)	-60 °C ... 100 °C
Maximum load current	30 A (with 10 mm² conductor cross section)
Current I_{th}	24 A
Nominal voltage U_N	400 V AC/DC
Open side panel	No
Terminal block mounting	0.8 Nm ... 1 Nm
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	4.8 kV
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 tight fit on support	Test passed
Setpoint	5 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 4.8 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	300 A
Conductor cross section short circuit testing	4 mm²
Short-time current	500 A
Conductor cross section short circuit testing	4 mm²
Short-time current	150 A
Conductor cross section short circuit testing	4 mm²
Short-time current	1250 A
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
ASD level	6.12 $(m/s^2)^2/Hz$
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

Test terminal strip - RSCWE 6-3/11 - 3969915

Technical data

General

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
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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	122.3 mm
Length	81 mm
Height	70.1 mm
Plate thickness	1 mm ... 4 mm
Pitch	8.2 mm

Connection data

Connection method	Ring cable lug
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	10 mm²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	8
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
Cable lug connection according to standard	DIN 46234

Test terminal strip - RSCWE 6-3/11 - 3969915

Technical data

Connection data

Min. cross section for cable lug connection	0.5 mm²
Max. cross section for cable lug connection	10 mm²
Hole diameter, min.	4.3 mm
Cable lug width, max.	8 mm
Bolt diameter	4.1 mm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	0.5 mm²
Max. cross section for cable lug connection	10 mm²
Hole diameter, min.	4.3 mm
Cable lug width, max.	8 mm
Bolt diameter	4.1 mm
Stripping length	12 mm
Internal cylindrical gage	A5
Screw thread	No 8 UNC
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

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
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

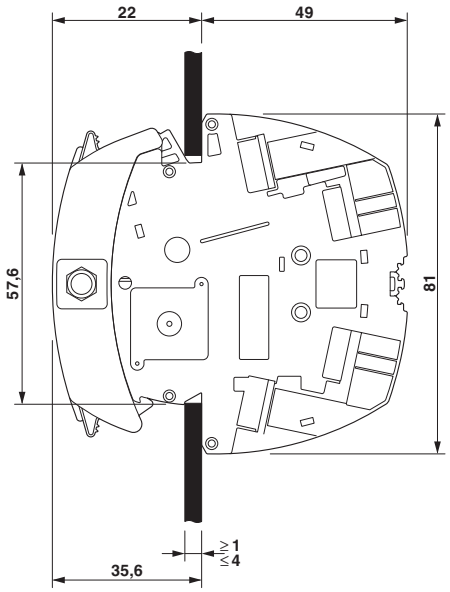
Environmental Product Compliance

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

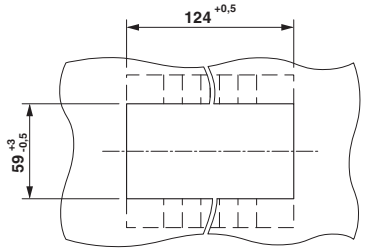
Drawings

Test terminal strip - RSCWE 6-3/11 - 3969915

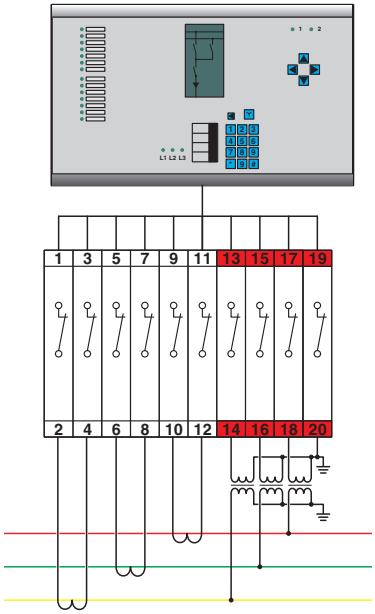
Dimensional drawing



Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Test terminal strip - RSCWE 6-3/11 - 3969915

Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	31 A	31 A
mm²/AWG/kcmil	20-8	20-8

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	31 A	31 A
mm²/AWG/kcmil	20-8	20-8

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	31 A	31 A
mm²/AWG/kcmil	20-8	20-8

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Phoenix Contact 2018 © - all rights reserved
http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com