

Test terminal strip - RSCWE 6-3/12 - 3969927

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Test terminal strip, Connection method: Ring cable lug, Number of connections: 24, Number of positions: 12, Width: 130.4 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

Key Commercial Data

Packing unit	1
GTIN	 4 055626 127729
GTIN	4055626127729
Custom tariff number	85366990

Technical data

General

Number of positions	12
Number of levels	1
Number of connections	24
Potentials	12
Nominal cross section	6 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Overvoltage category	III
Insulating material group	I

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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 mm ² 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 mm ²
Short-time current	300 A
Conductor cross section short circuit testing	4 mm ²
Short-time current	500 A
Conductor cross section short circuit testing	4 mm ²
Short-time current	150 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

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Technical data

General

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
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	130.4 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 mm ²
Conductor cross section flexible max.	10 mm ²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	8

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Technical data

Connection data

2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	0.5 mm ²
Max. cross section for cable lug connection	10 mm ²
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 mm ²
Max. cross section for cable lug connection	10 mm ²
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

Assembly

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

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

Approvals

Approvals

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Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	
mm ² /AWG/kcmil	20-8	20-8	
Nominal current IN	31 A	31 A	
Nominal voltage UN	600 V	600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	20-8	20-8	
Nominal current IN	31 A	31 A	
Nominal voltage UN	600 V	600 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	20-8	20-8	
Nominal current IN	31 A	31 A	
Nominal voltage UN	600 V	600 V	

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