

RSCWE 6-3/13 - Test terminal strip



3969916

<https://www.phoenixcontact.com/us/products/3969916>

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Test terminal strip, nom. voltage: 400 V, number of connections: 26, number of positions: 13, connection method: Ring cable lug, 1 level, Rated cross section: 6 mm², mounting type: Panel mounting, color: gray

Your advantages

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

Commercial data

Item number	3969916
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE06
Product key	BE6113
Catalog page	Page 636 (C-1-2019)
GTIN	4055626271583
Weight per piece (including packing)	539 g
Weight per piece (excluding packing)	539 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Product properties

Product type	Test terminal strip
Number of positions	13
Pitch	8.2 mm
Number of connections	26
Number of rows	1
Potentials	13

Insulation characteristics

Overvoltage category	III
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Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.31 W
Test surge voltage	5 kV

Connection data

Number of connections per level	26
Nominal cross section	6 mm ²

1 level

Screw thread	No 8 UNC
Tightening torque	1.5 ... 1.8 Nm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible	0.5 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
2 conductors with same cross section, solid	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 6 mm ²
Maximum load current	30 A (with 10 mm ² conductor cross section)
Nominal voltage	400 V AC/DC
Nominal cross section	6 mm ²

Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	0.5 mm ² ... 10 mm ²
Cross section range AWG	(converted acc. to IEC)
Hole diameter	4.3 mm
Width	8 mm
Bolt diameter	4.1 mm
Connection in acc. with standard	DIN 46237:1970-07
Cross section	0.5 mm ² ... 10 mm ²
Cross section range AWG	(converted acc. to IEC)

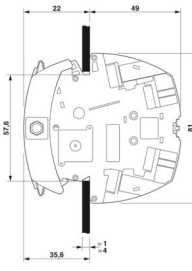
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Hole diameter	4.3 mm
Width	8 mm
Bolt diameter	4.1 mm
Identification color of ring cable lugs : red	1 mm ²
Identification color of ring cable lugs : blue	2.5 mm ²
Identification color of ring cable lugs : yellow	6 mm ²

Dimensions

Dimensional drawing	
Width	138.6 mm
Height	81 mm
Depth	70.1 mm
Pitch	8.2 mm
Plate thickness	1 mm ... 4 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

Electrical tests

Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	300 A
	500 A
	150 A
	1250 A
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

General

Terminal block mounting	0.8 Nm ... 1 Nm
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Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

Test force setpoint	5 N
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5$ Hz to $f_2 = 250$ Hz
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
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Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	Panel mounting
Terminal block mounting	0.8 Nm ... 1 Nm

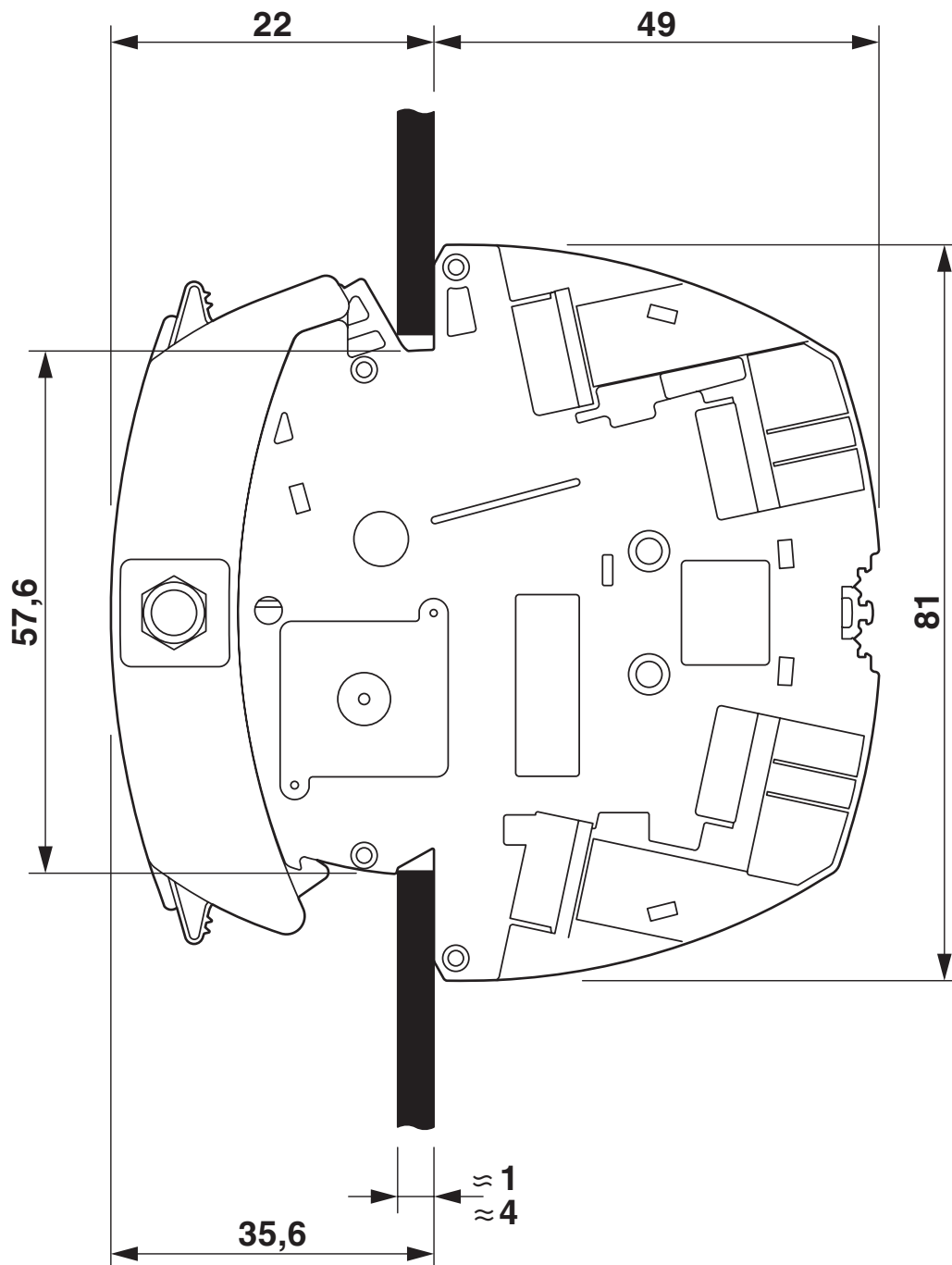
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Drawings

Dimensional drawing



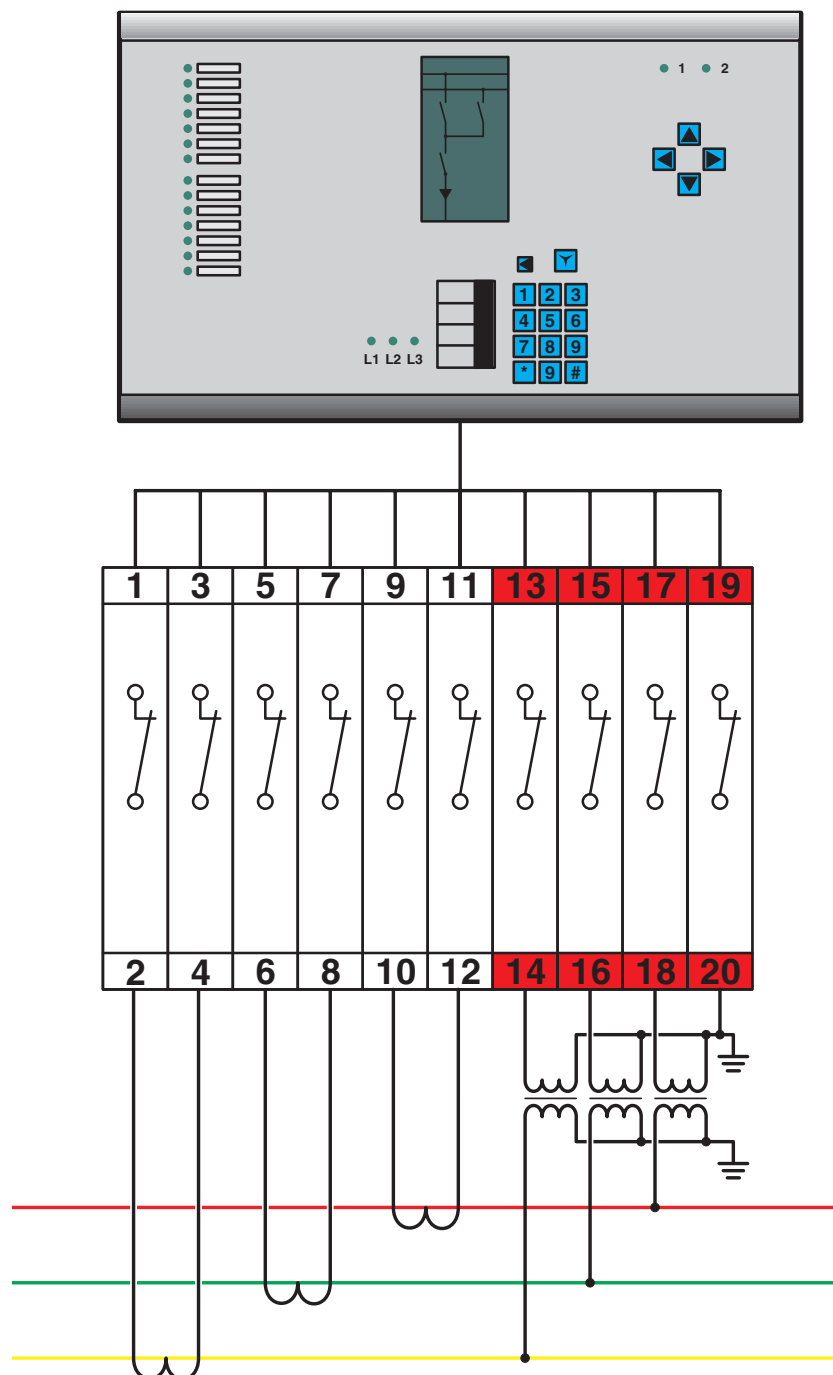
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Circuit diagram

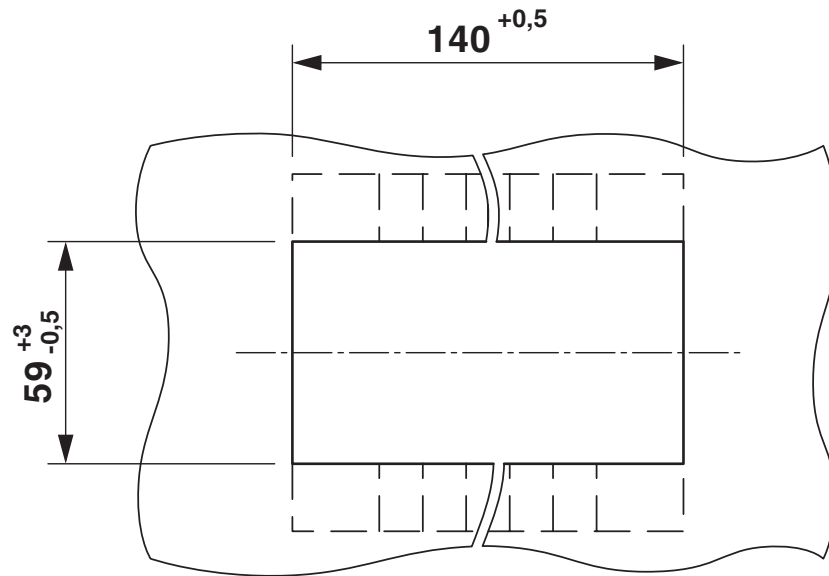


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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3969916>



cULus Recognized
Approval ID: E60425

	CSA Approval ID: 13631			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	31 A	20 - 8	-
Use group C				
	600 V	31 A	20 - 8	-



EAC
Approval ID: RU C-DE.BL08.B.00682



cULus Recognized
Approval ID: E60425

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Classifications

ECLASS

ECLASS-11.0	27141126
ECLASS-12.0	27141126
ECLASS-13.0	27250190

ETIM

ETIM 9.0	EC002848
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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