

# RSCWE 6-3/16 - Plug-in test socket



3969955

<https://www.phoenixcontact.com/us/products/3969955>

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Plug-in test socket, nom. voltage: 400 V, number of connections: 32, number of positions: 16, connection method: Ring cable lug, Rated cross section: 6 mm<sup>2</sup>, 1 level, mounting type: Panel mounting, color: gray

The figure shows a version of the article

## Your advantages

- Space saving, thanks to compact, modular plug-in test sockets
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- 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

## Commercial data

Item number	3969955
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE06
Product key	BE6113
GTIN	4055626394664
Weight per piece (including packing)	627.7 g
Weight per piece (excluding packing)	573.61 g
Customs tariff number	85369010
Country of origin	PL

## Technical data

### Product properties

Product type	Test terminal strip
Product family	FAME 3
Number of positions	16
Pitch	8.2 mm
Number of connections	32
Number of rows	1
Potentials	16

### 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	32
Nominal cross section	6 mm <sup>2</sup>

#### 1 level

Connection method	Ring cable lug
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 <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
2 conductors with same cross section, rigid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Nominal cross section	6 mm <sup>2</sup>
Maximum load current	30 A (with 10 mm <sup>2</sup> conductor cross-section)
Nominal voltage	400 V AC/DC

#### Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
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

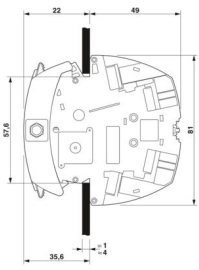
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Cross section	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section range AWG	(converted acc. to IEC)
Hole diameter	4.3 mm
Width	8 mm
Bolt diameter	4.1 mm
Identification color of ring cable lugs : red	1 mm <sup>2</sup>
Identification color of ring cable lugs : blue	2.5 mm <sup>2</sup>
Identification color of ring cable lugs : yellow	6 mm <sup>2</sup>

## Dimensions

Dimensional drawing	
Width	163 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

## 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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## Environmental and real-life conditions

### 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 %

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## 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



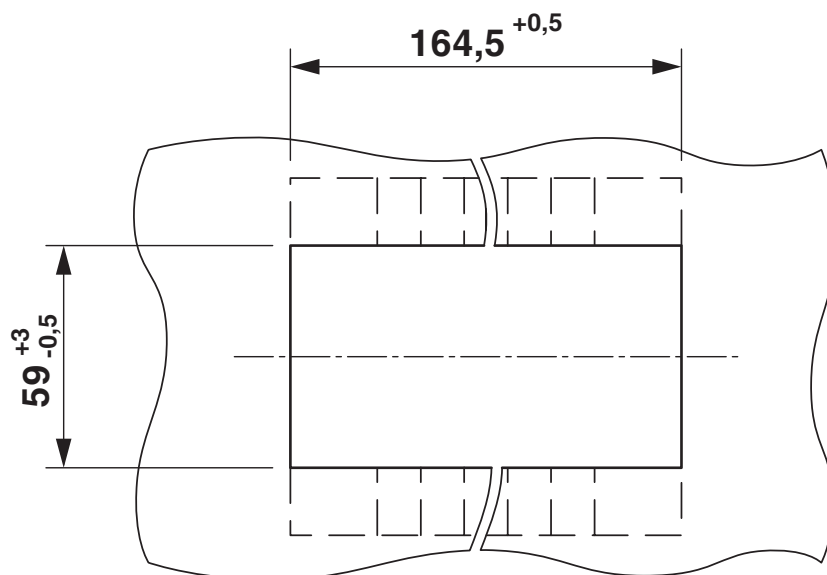
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Dimensional drawing



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Circuit diagram



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## Approvals

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 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	600 V	31 A	20 - 8	-
C	600 V	31 A	20 - 8	-
D	600 V	5 A	20 - 8	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00682				
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 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	600 V	31 A	20 - 8	-
C	600 V	31 A	20 - 8	-

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## Classifications

### ECLASS

ECLASS-13.0	27250190
ECLASS-15.0	27250190

### ETIM

ETIM 10.0	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
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### 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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