

https://www.phoenixcontact.com/us/products/3045842



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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 5, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm²- 6 mm², color: gray

Your advantages

- · Can be bridged with FBS ... standard bridges
- · Connector with lateral conductor connection direction
- The connected conductors can be led directly into the cable duct to save space

Commercial data

Item number	3045842
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1144
GTIN	4046356083355
Weight per piece (including packing)	31.04 g
Weight per piece (excluding packing)	31.04 g
Customs tariff number	85366990
Country of origin	TR



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Technical data

Product properties

Product type	Terminal plug	
Number of positions	5	
Pitch	6.2 mm	
Potentials	1	
Insulation characteristics		
Overvoltage category	III	
Degree of pollution	3	

Electrical properties

Rated surge voltage	8 kV
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Connection data

Nominal cross section	4 mm²
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.14 mm² 6 mm²
Cross section AWG	26 10 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² 6 mm²
Conductor cross-section, flexible [AWG]	26 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² 4 mm²
2 conductors with same cross section, solid	0.14 mm² 1.5 mm²
2 conductors with same cross section, flexible	0.14 mm² 1.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm² 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	32 A
Maximum load current	32 A (with 6 mm² conductor cross-section)
Nominal voltage	800 V
Nominal cross section	4 mm²

Dimensions

Width	31 mm
Height	22 mm
Depth	48.5 mm
Length	22 mm



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Pitch	6.2 mm
Material specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	VO
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed

Environmental and real-life conditions

Smoke gas toxicity NFPA 130 (SMP 800C)

Ambient conditions

Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature RTI Elec.)
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 %

passed

Standards and regulations

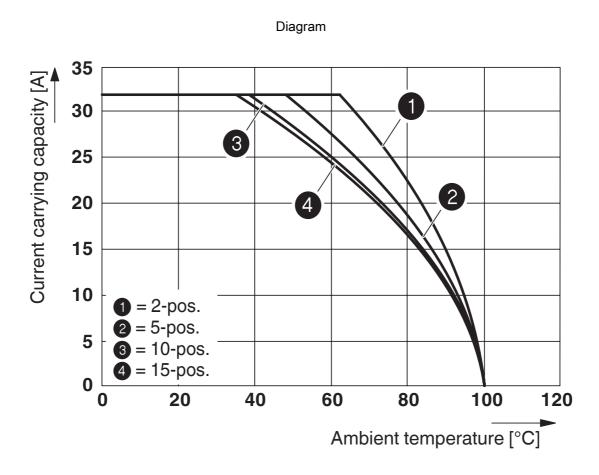
Connection in acc. with standard	IEC 61984

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Drawings



The figure shows the derating curve of the UT 4/1P... terminal block in connection with the UPVB 4 plug



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Circuit diagram





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Classifications

UNSPSC 21.0

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		A.7.7

	ECLASS-13.0	27250306
ΕΊ	ТМ	
	ETIM 9.0	EC002021
U	ISPSC	

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ecc46f8d-049f-42c7-9586-930a6a048787

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