3060173 https://www.phoenixcontact.com/us/products/3060173



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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 7, connection method: Screw connection, Rated cross section:  $4 \text{ mm}^2$ , cross section:  $0.2 \text{ mm}^2$ -  $6 \text{ mm}^2$ , color: gray

### Your advantages

- · Screw actuation from the side
- Conductor connection from above
- · The plug design enables space-saving potential distribution by using four-conductor terminal blocks with two slots

#### Commercial data

Item number	3060173
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE01
Product key	BE1144
Catalog page	Page 336 (C-1-2019)
GTIN	4046356090346
Weight per piece (including packing)	33.919 g
Weight per piece (excluding packing)	33.919 g
Customs tariff number	85366990
Country of origin	TR

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### Technical data

#### Product properties

Product type	Terminal plug
Number of positions	7
Pitch	6.2 mm
Potentials	1
Insulation characteristics	
Overvoltage category	10
Degree of pollution	3
Electrical properties	
Rated surge voltage	8 kV
Connection data	
Nominal cross section	4 mm <sup>2</sup>
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	0.2 mm <sup>2</sup> 6 mm <sup>2</sup>
Cross section AWG	24 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm <sup>2</sup> 6 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	24 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> 4 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1.5 mm²
Nominal current	32 A
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)
Nominal voltage	800 V
Nominal cross section	4 mm <sup>2</sup>

#### Dimensions

Width	43.4 mm
Height	21 mm
Depth	41.2 mm
Length	21 mm
Pitch	6.2 mm

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#### Material specifications

Color	gray
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

#### Environmental and real-life conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %

Connection in acc. with standard	IEC 61984
	120 01001

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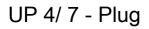
### Classifications

#### ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250306

#### ETIM

	ETIM 9.0	EC002021
UNSPSC		
	UNSPSC 21.0	39121400



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### Environmental product compliance

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

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