

https://www.phoenixcontact.com/us/products/3061899



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Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 20, number of positions: 20, connection method: Push-in connection, Rated cross section: 1.5 mm<sup>2</sup>, 1 level, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, color: gray

### Your advantages

- · Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves

#### Commercial data

Item number	3061899
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2244
GTIN	4046356860444
Weight per piece (including packing)	34.38 g
Weight per piece (excluding packing)	34.38 g
Customs tariff number	85366990
Country of origin	PL



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### Technical data

### Product properties

20 3.5 mm 20		
0		
20		
Insulation characteristics		
I		

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

### Connection data

Number of connections per level	20
Nominal cross section	1.5 mm <sup>2</sup>

#### 1 level

Connection method	Push-in connection
Stripping length	8 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.14 mm² 1.5 mm²
Cross section AWG	26 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² 1.5 mm²
Conductor cross-section, flexible [AWG]	26 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 1.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² 1 mm²
Nominal current	17.5 A (observe derating)
Maximum load current	17.5 A (with 1.5 mm² conductor cross-section)
Nominal voltage	500 V
Nominal cross section	1.5 mm²

#### 1 level Connection cross sections directly pluggable

Conductor cross-section rigid	0.25 mm² 1.5 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² 1.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> 1 mm <sup>2</sup>

#### **Dimensions**

Width	70 mm
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Height	16.5 mm
Depth	31.3 mm
Pitch	3.5 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))	130 °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)	28 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

#### Mechanical properties

#### Mechanical data

Medianical data		
	Open side panel	Yes

#### Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
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 (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %

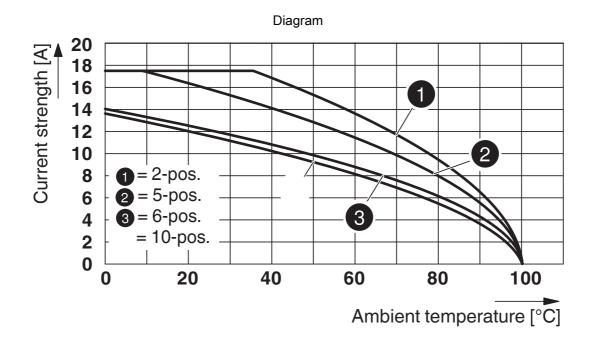
### Standards and regulations

Connection in acc. with standard	IEC 61984

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## Drawings



Circuit diagram





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## **Approvals**

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#### EAC

Approval ID: KZ7500651131219505



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## Classifications

UNSPSC 21.0

#### **ECLASS**

	ECLASS-13.0	27250306	
	ECLASS-15.0	27250306	
ETIM			
	ETIM 9.0	EC002021	
UNSPSC			

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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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