1071719 https://www.phoenixcontact.com/us/products/1071719



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Plug, nom. voltage: 800 V, nominal current: 24 A, number of positions: 8, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm²- 4 mm², color: gray

Your advantages

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

Commercial data

Item number	1071719
Packing unit	1 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2244
GTIN	4055626761312
Weight per piece (including packing)	27.18 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties	
Product type	Terminal plug
Number of positions	8
Insulation characteristics	
Overvoltage category	111
Degree of pollution	3
Degree of politicion	5
Electrical properties	
Rated surge voltage	8 kV
Connection data	
Stripping length	8 mm 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm ² 4 mm ²
Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² 4 mm ²
Conductor cross section, flexible [AWG]	26 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² 2.5 mm ²
Nominal current	24 A
Maximum load current	24 A (with 4 mm ² conductor cross-section)
Nominal voltage	800 V
Nominal cross section	2.5 mm ²
Connection cross sections directly pluggable	
Conductor cross section rigid	0.5 mm² 4 mm²
Conductor cross section, rigid [AWG]	20 12 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² 2.5 mm²
Conductor cross section, flexible [AWG]	14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² 2.5 mm ²
Dimensions	

Width	41.2 mm
Height	18.6 mm
Depth	40.3 mm
Length	18.6 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I

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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
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

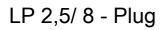
Environmental and real-life conditions

Ambient conditions

-60 °C 105 °C (max. short-term operating temperature RTI Elec.)
-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
-5 °C 70 °C
-5 °C 70 °C
30 % 70 %

Standards and regulations

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



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Circuit diagram



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Approvals

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CCSAu Approva	IS ID: 80174529			
	Nominal voltage U _N	Nominal current I	Cross section AWC	G Cross section mm ²
Use group B				
	600 V	20 A	26 - 12	-
Use group C				
	600 V	20 A	26 - 12	-
Use group F				
	800 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

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Classifications

ECLASS

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

ETIM

	ETIM 8.0	EC002021		
UN	UNSPSC			
	UNSPSC 21.0	39121400		

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