

https://www.phoenixcontact.com/sg/products/3209976



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Plug, nom. voltage: 500 V, nominal current: 24 A, number of connections: 12, number of positions: 12, connection method: Push-in connection, 1 level, 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	3209976
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	****
Product key	BE2244
Catalog page	Page 298 (C-1-2019)
GTIN	4046356366861
Weight per piece (including packing)	41.03 g
Weight per piece (excluding packing)	41.03 g
Customs tariff number	85366990
Country of origin	PL



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Technical data

Product properties

Product type	Terminal plug
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	12
Pitch	5.2 mm
Number of connections	12
Number of rows	1
Potentials	1

0 11 1

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	12
Nominal cross section	2.5 mm ²

1 level

Stripping length	8 mm 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm² 4 mm²
Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section, flexible [AWG]	26 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm²
Nominal current	24 A
Maximum load current	24 A (with 4 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	2.5 mm²

1 level Connection cross sections directly pluggable

Tievel conficultion closs sections directly pluggable		
Conductor cross section rigid	0.34 mm² 4 mm²	
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² 2.5 mm²	



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Ambient temperature (actuation)
Permissible humidity (operation)

Connection in acc. with standard

Standards and regulations

Permissible humidity (storage/transport)



Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²
nensions	
Width	62.4 mm
Height	15.8 mm
Depth	40.2 mm
Pitch	5.2 mm
terial 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
chanical properties	
lechanical data	
Open side panel	No
Special Control of the Control of th	
rironmental and real-life conditions	
mbient 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

-5 °C ... 70 °C

20 % ... 90 %

30 % ... 70 %

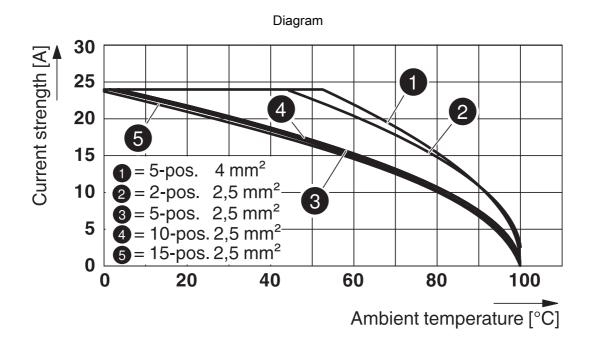
IEC 61984

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Drawings



Circuit diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/sg/products/3209976

CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-

cULus Recognized
Approval ID: E60425

Uoyds Kegister LR

Approval ID: LR2371832TA



NK

Approval ID: 14ME0912



cULus Recognized

Approval ID: E60425



ΒV

Approval ID: 25278/C1 BV

ABS

Approval ID: 21-2192245-PDA

DNV

Approval ID: TAE000010T

FAT

EAC

Approval ID: EACKZ 08593



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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

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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PHOENIX CONTACT SEA Pte. Ltd. 105 Eunos Avenue 3, #04-00 Singapore 409836 +65 6228 4900 marketing@phoenixcontact.com.sg