

SPV 2,5/11 - Plug

3041817

<https://www.phoenixcontact.com/us/products/3041817>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Plug, nom. voltage: 500 V, nominal current: 24 A, number of positions: 11, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm²- 4 mm², color: gray

Your advantages

- Large-surface labeling option
- Practical coding option
- Tested for railway applications

Commercial data

Item number	3041817
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE02
Product key	BE2144
Catalog page	Page 320 (C-1-2019)
GTIN	4046356055178
Weight per piece (including packing)	35.36 g
Weight per piece (excluding packing)	35.36 g
Customs tariff number	85366990
Country of origin	PL

SPV 2,5/11 - Plug

3041817

<https://www.phoenixcontact.com/us/products/3041817>



Technical data

Product properties

Product type	Terminal plug
Number of positions	11
Pitch	5.2 mm

Data management status

Article revision	04
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
---------------------	------

Connection data

Nominal cross section	2.5 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.08 mm ² ... 4 mm ²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	28 ... 14 (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	500 V
Nominal cross section	2.5 mm ²

Dimensions

Width	57.2 mm
Height	34 mm
Length	23.4 mm
Pitch	5.2 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

SPV 2,5/11 - Plug



3041817

<https://www.phoenixcontact.com/us/products/3041817>

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

Environmental and real-life conditions

Ambient conditions

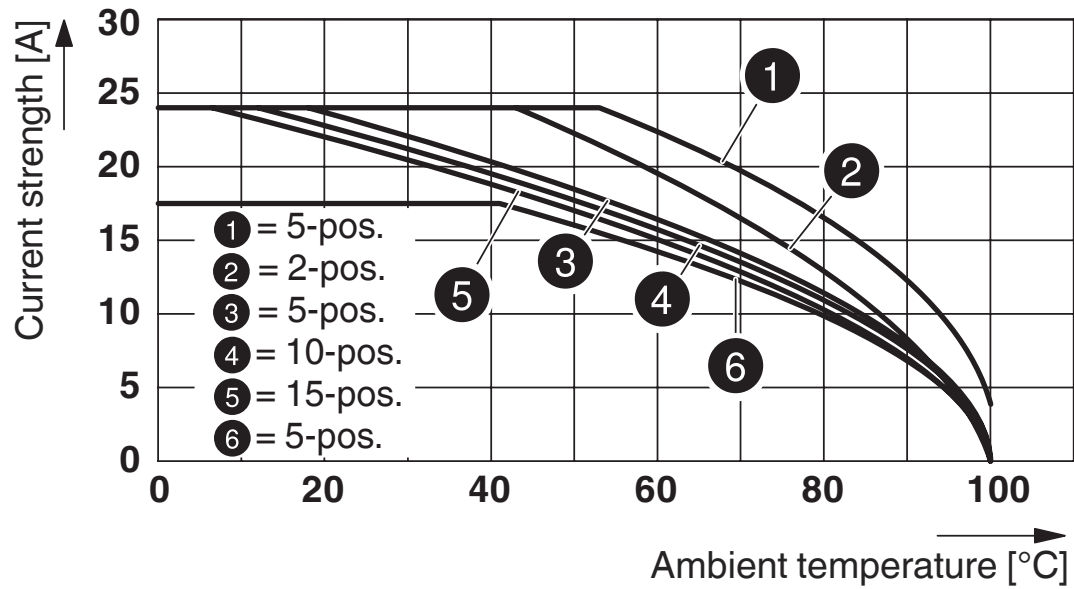
Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Drawings

Diagram



Circuit diagram



SPV 2,5/11 - Plug

3041817

<https://www.phoenixcontact.com/us/products/3041817>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3041817>



IECEE CB Scheme
Approval ID: DE1-62736/B1/B2



EAC
Approval ID: RU C-DE.BL08.B.00511

	VDE Zeichengenehmigung Approval ID: 40019518			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
	Only flexible conductors	500 V	-	-
	Only rigid conductors	500 V	-	-
				Cross section mm^2
				0.2 - 2.5
				0.2 - 4



cULus Recognized
Approval ID: E60425



cULus Recognized
Approval ID: E60425

SPV 2,5/11 - Plug

3041817

<https://www.phoenixcontact.com/us/products/3041817>



Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SPV 2,5/11 - Plug



3041817
<https://www.phoenixcontact.com/us/products/3041817>

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%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com