

## Plug - SPV 2,5/11 - 3041817

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Plug, number of positions: 11, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup>- 4 mm<sup>2</sup>, AWG: 28 - 12, nominal current: 24 A, nom. voltage: 500 V, width: 57.2 mm, color: gray

### Your advantages

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



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 046356 055178
GTIN	4046356055178
Weight per Piece (excluding packing)	36.000 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Number of positions	11
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0

# Plug - SPV 2,5/11 - 3041817

## Technical data

### General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W
Maximum load current	24 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	500 V
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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

### Dimensions

Width	57.2 mm
Length	23.4 mm
Height	34 mm
	19 mm
Pitch	5.2 mm

### Connection data

Connection method	Spring-cage connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	28

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## Technical data

### Connection data

Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Internal cylindrical gage	A3

### Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

### Standards and Regulations

Connection in acc. with standard	CUL
	IEC 61984
Flammability rating according to UL 94	V0

### Environmental Product Compliance

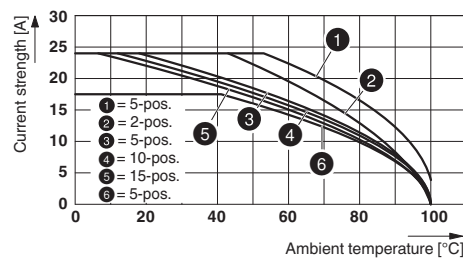
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

### Circuit diagram



### Diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141151
eCl@ss 11.0	27141151
eCl@ss 4.0	27260700

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## Classifications

### eCl@ss

eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27141100
eCl@ss 7.0	27141151
eCl@ss 9.0	27141151

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 6.0	EC002021
ETIM 7.0	EC002021

### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402
UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / IECCEB Scheme / EAC / VDE Zeichengenehmigung / cULus Recognized

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#### Ex Approvals

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### Approval details

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## Approvals

UL Recognized				<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>		FILE E 60425	
		B	C	D			
Nominal voltage UN	600 V	300 V	300 V	600 V			
Nominal current IN	20 A	20 A	20 A	5 A			
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12	26-12			

cUL Recognized				<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>		FILE E 60425	
		B	C	D			
Nominal voltage UN	600 V	300 V	300 V	600 V			
Nominal current IN	20 A	20 A	20 A	5 A			
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12	26-12			

IECEE CB Scheme				<a href="http://www.iecee.org/">http://www.iecee.org/</a>		DE1-62736/B1/B2	
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EAC				RU C- DE.BL08.B.00511	
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VDE Zeichengenehmigung				<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>		40019518	
Nominal voltage UN	500 V						
mm <sup>2</sup> /AWG/kcmil	0.2-4						

cULus Recognized			
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## Accessories

Accessories

Insulating sleeve

## Plug - SPV 2,5/11 - 3041817

### Accessories

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



## Plug - SPV 2,5/11 - 3041817

### Accessories

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



### Mounting material

Latching - PRV/2 - 3041862



Latching, length: 15.8 mm, width: 10 mm, number of positions: 2, color: orange

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### Partition plate

Spacer plate - DP PS-5 - 3036725



Spacer plate, length: 22.4 mm, width: 5.2 mm, height: 29 mm, number of positions: 1, color: red

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### Screwdriver tools

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### Accessories

Actuation tool - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

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### Shield connection

Shield connection clamp - PSH 3-6 - 3040591



Shield connection clamp, color: black

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Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, color: black

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### Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, length: 48.7 mm, width: 9.3 mm, number of positions: 2, color: black

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Strain relief - PZ/4 - 3040643



Strain relief, length: 48.7 mm, width: 19.6 mm, number of positions: 4, color: black

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### Accessories

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Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

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Test plugs - PS-5 - 3030983



Test plugs, Modular test plug, color: red

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Test plugs - PS-5/2,3MM RD - 3038723



Test plugs, color: red

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