

## Connector housing - CP 2,5-4L-Z - 3041943

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Connector housing, Connection method: Plug connection, Number of positions: 4, Cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 20 - 14, Width: 5.2 mm, Height: 13 mm, Color: gray, Mounting type: Plug-in mounting

### Why buy this product

- Can be labeled at each terminal point
- Four feed-through levels
- Design width of just 5.2 mm

### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
Weight per Piece (excluding packing)	2.180 g
Custom tariff number	85472000
Country of origin	Germany

### Technical data

#### General

Number of positions	4
Number of levels	1
Number of connections	4
Potentials	4
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum load current	10 A (with a 2.5 mm <sup>2</sup> conductor cross section)

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## Technical data

### General

Rated surge voltage	4 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Ambient temperature (operation)	-40 °C ... 160 °C
Maximum load current	10 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V
Open side panel	No
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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	5.2 mm
Length	23.5 mm
Height	13 mm
Drill hole spacing	6.15 mm

### Connection data

Connection method	Plug connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20

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## Technical data

### Connection data

Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Stripping length	10 mm

### 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

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27141151
eCl@ss 7.0	27141151
eCl@ss 8.0	27141106
eCl@ss 9.0	27141106

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC001284
ETIM 5.0	EC001284

### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402

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## Classifications

### UNSPSC

UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

## Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

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	D
mm <sup>2</sup> /AWG/kcmil	20-14	20-14
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

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		
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EAC EAC-Zulassung
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## Connector housing - CP 2,5-4L-Z - 3041943

### Accessories

#### Accessories

#### Connector

#### Female insert - STG-MTN 0,5-1,0 - 3190438



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 0.5 mm<sup>2</sup> ... 1.0 mm<sup>2</sup> conductors

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#### Female insert - STG-MTN 1,5-2,5 - 3190506



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> conductors

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### Cover profile

#### Cover profile - AP-CP-H METER - 3012315



Cover profile, length: 1 m

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### End cover

#### End cover - D-CP-H 2,5-4L - 3012320



End cover, Length: 31.6 mm, Width: 5.2 mm, Color: gray

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### Flange

## Connector housing - CP 2,5-4L-Z - 3041943

### Accessories

Flange cover - DFS-CP-H 2,5-4L - 3012317



Self-locking flange cover as a cover profile carrier, for CP-H 2,5-4L, can be adapted on both sides of the plug

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Flange cover - DFS-CP 2,5-4L - 3012321



Flange cover, Length: 31.6 mm, Width: 5.2 mm, Height: 26 mm, Color: gray

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### Partition plate

Spacer plate - DP-CP-H 2,5-4L - 3012319



Spacer plate

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