

CP-H 2,5-4L-Z-PE - Connector housing



3012324

<https://www.phoenixcontact.com/us/products/3012324>

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.



Connector housing, with securing pins, connection method: Crimp connection, depth: 31.7 mm, width: 5.2 mm, height: 31.6 mm, color: gray

Your advantages

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

Commercial data

Item number	3012324
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2144
Catalog page	Page 294 (C-1-2019)
GTIN	4046356811279
Weight per piece (including packing)	1.977 g
Weight per piece (excluding packing)	1.966 g
Customs tariff number	85389099
Country of origin	PL

CP-H 2,5-4L-Z-PE - Connector housing



3012324

<https://www.phoenixcontact.com/us/products/3012324>

Technical data

Product properties

Product type	Plug
--------------	------

Dimensions

Width	5.2 mm
Height	31.6 mm
Depth	31.7 mm

Material specifications

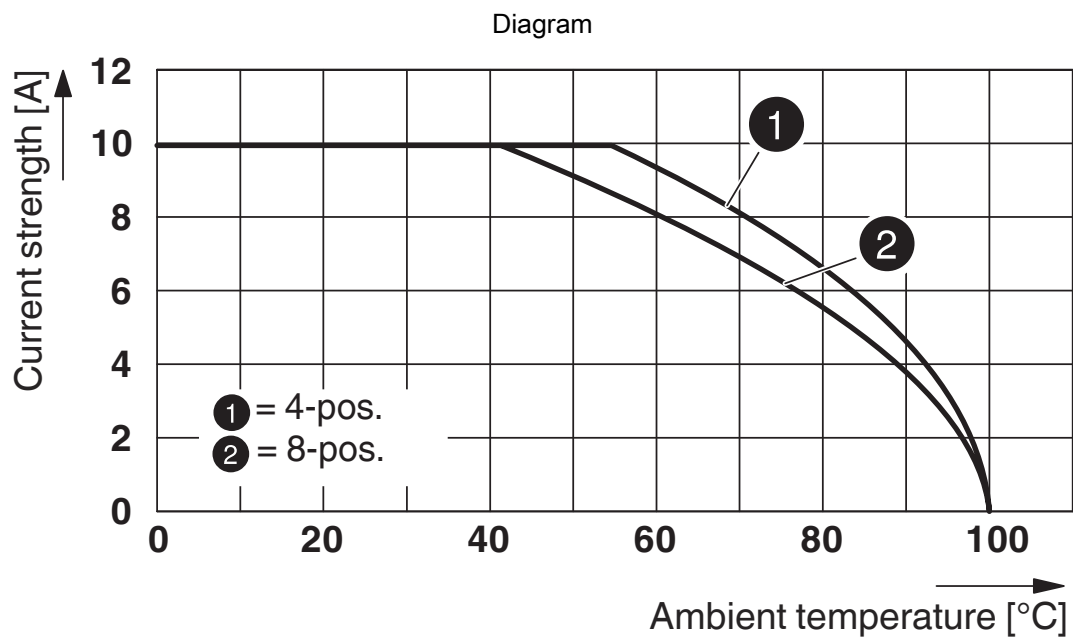
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection 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

Environmental and real-life conditions

Ambient 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
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Drawings



CP-H 2,5-4L-Z-PE - Connector housing



3012324

<https://www.phoenixcontact.com/us/products/3012324>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3012324>

	VDE Gutachten mit Fertigungsüberwachung			
	Approval ID: 40042533			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG
		250 V	10 A	-
				Cross section mm ²
				0.5 - 2.5

	EAC
	Approval ID: EACKZ 08593

CP-H 2,5-4L-Z-PE - Connector housing



3012324

<https://www.phoenixcontact.com/us/products/3012324>

Classifications

ECLASS

ECLASS-11.0	27440202
ECLASS-12.0	27440202
ECLASS-13.0	27440202

ETIM

ETIM 9.0	EC000437
----------	----------

UNSPSC

UNSPSC 21.0	31261500
-------------	----------

CP-H 2,5-4L-Z-PE - Connector housing



3012324

<https://www.phoenixcontact.com/us/products/3012324>

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 2025 © - 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