

# CP 4/8 - Connector housing

1066564

<https://www.phoenixcontact.com/us/products/1066564>



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Connector housing, nom. voltage: 800 V, nominal current: 10 A, connection method: Crimp connection, pitch: 6.2 mm, depth: 32.4 mm, width: 48.2 mm, height: 14.95 mm, number of positions: 8, color: gray, mounting type: Plug-in mounting

## Your advantages

- Compact size for applications where space is at a premium
- Inexpensive connection of preassembled conductors with crimp connection

## Commercial data

Item number	1066564
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BE2144
GTIN	4055626733593
Weight per piece (including packing)	8.2 g
Weight per piece (excluding packing)	8 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Plug
Number of positions	8
Pitch	6.2 mm

### Insulation characteristics

Overvoltage category	III
Pollution degree	3

### Connection data

Conductor cross section flexible	1.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Nominal current	10 A
Maximum load current	17.5 A (with 1.5 mm <sup>2</sup> conductor cross section)
Nominal voltage	800 V
Nominal cross section	1.5 mm <sup>2</sup>

### Dimensions

Width	48.2 mm
Height	14.95 mm
Depth	32.4 mm
Pitch	6.2 mm

### Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	CTI 600
Static insulating material application in cold	-60 °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
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, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C

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

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002021
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### UNSPSC

UNSPSC 21.0	31261500
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## Environmental product compliance

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

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