

EO-CF/PT-USB-A/C - Socket



1494816

<https://www.phoenixcontact.com/us/products/1494816>

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Socket, integrated USB, 1x type A and 1x type C, 5 V/3 A (total), Pin connector pattern type CF, connection method: Push-in spring connection, color: gray, nom. voltage: 250 V AC (50 Hz), nominal current: 16 A, DIN rail or direct mounting, standards/specifications: VDE 0620-1, IEC 60884-1, Country marking: Germany

Your advantages

- No additional need for USB chargers or external power supply units
- Reliable USB power supply directly in the control cabinet
- More operational safety and less cable chaos
- Faster installation thanks to integrated solution
- Future-proof equipment for modern applications

Commercial data

Item number	1494816
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7621
GTIN	4063151943035
Weight per piece (including packing)	150 g
Weight per piece (excluding packing)	150 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

Notes on operation	This socket is not designed for applications with high loads (HL), such as chargers for electric vehicles and large radiant heaters.
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Product properties

Product type	Socket
Country ID	Germany

Connection data

Connection method	Push-in spring connection
Note	The electrical outlets with Push-in connection are not designed for through-wiring. Connect a maximum of one conductor to each terminal point. Multiple assignment of one terminal point is not permitted.
Stripping length	10 mm
Internal cylindrical gage	A3
	B3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm ² ... 2.5 mm ²
Conductor cross-section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Nominal current	16 A
Nominal voltage	250 V AC (50 Hz)

Connection cross sections directly pluggable

Conductor cross-section rigid	0.5 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm ² ... 2.5 mm ²

Dimensions

Width	66 mm
Height	75.4 mm
Depth	62.1 mm
Depth on NS 35/7,5	60 mm
Depth on NS 35/15	67.5 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material	PA

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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

Connector

Type of plug	Pin connector pattern type CF
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Ambient conditions

Degree of protection	IP20
Resistance against air humidity	95 % ... 48 h

Standards and regulations

Standards

Standards/regulations	VDE 0620-1
	IEC 60884-1
	IEC 60884-3-1

Mounting

Mounting type	DIN rail or direct mounting
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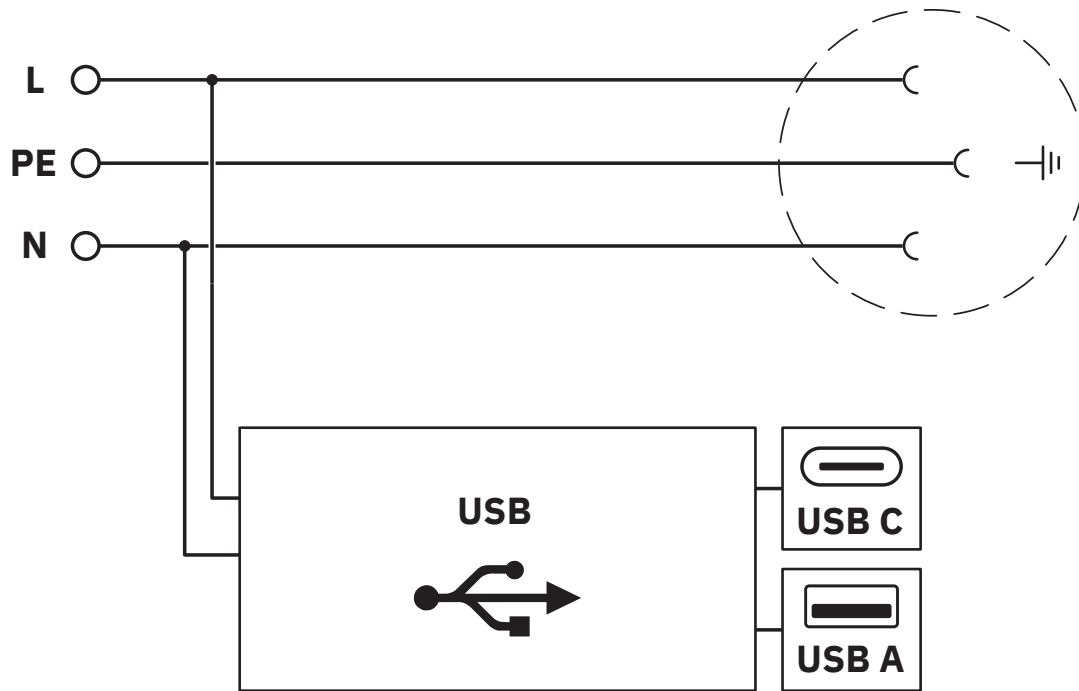
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Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1494816>

VDE REGISTERED				
Approval ID: 40061037				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	250 V	16 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27142305
ECLASS-15.0	27142305

ETIM

ETIM 10.0	EC001663
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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