

EO-CF/PT/LED/GN - Socket



0804041

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Socket, Pin connector pattern type CF, LED display, green, for mounting on a DIN rail in the service interface or direct mounting, -5 °C, 40 °C, VDE 0620-1

Commercial data

Item number	0804041
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7621
Catalog page	Page 562 (C-3-2019)
GTIN	4055626225814
Weight per piece (including packing)	72.84 g
Weight per piece (excluding packing)	72.84 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	Socket
Country ID	Germany

Data management status

Article revision	05
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Connection data

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

Signaling

Status display	yes
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Dimensions

Width	45 mm
Height	75 mm
Depth	75 mm

Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94	V0
Insulating material	PA
Contact material	CuZn37
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	Service 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
Result	Test passed

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
Ambient temperature (operation)	-5 °C ... 40 °C (Average value over a period of 24 hours not above +35°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 %

Standards and regulations

Standards

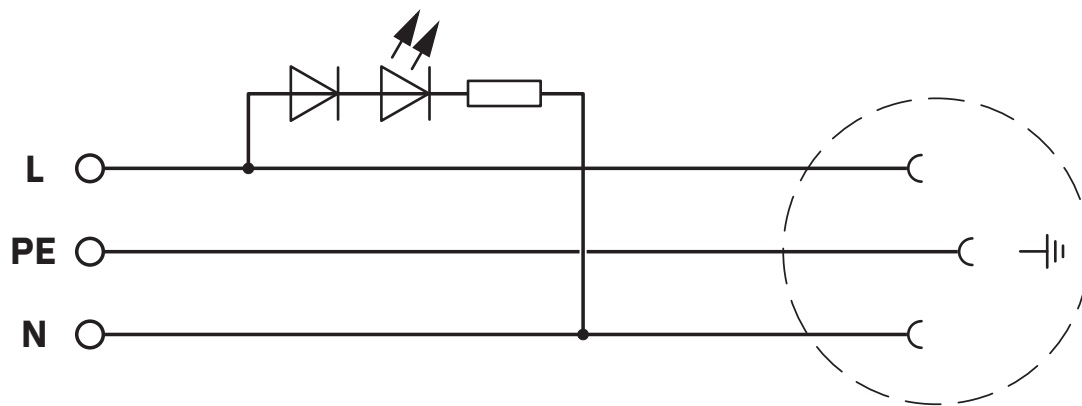
Standards/regulations	VDE 0620-1
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Mounting

Mounting type	for mounting on a DIN rail in the service interface or direct mounting
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Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0804041>

**EAC**
Approval ID: RU C-DE.BL08.B.00511

	VDE Gutachten mit Fertigungsüberwachung Approval ID: 40047713			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	250 V	16 A	-	-

**EAC-RoHS**
Approval ID: RU D-DE.HB49.B.00025

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Classifications

ECLASS

ECLASS-11.0	27142305
ECLASS-12.0	27142305
ECLASS-13.0	27142305

ETIM

ETIM 9.0	EC001663
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 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)
SCIP	1de0bd93-38f7-4d84-ad3d-428ba5b96a22