

EO-K/PT/GN - Socket



0804120
<https://www.phoenixcontact.com/us/products/0804120>

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.



Socket, for Denmark and other countries, Pin connector pattern type K, connection method: Push-in spring connection, color: green, nom. voltage: 250 V AC (50 Hz), nominal current: 16 A, for mounting on a DIN rail in the service interface or direct mounting, standards/specifications: SR 107-2-D1, Country marking: Denmark

Commercial data

Item number	0804120
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	BE762B
GTIN	4055626226538
Weight per piece (including packing)	70.2 g
Weight per piece (excluding packing)	70.2 g
Country of origin	PL

Technical data

Notes

General

Note	The nominal current does not apply for fuse versions. In this case, the current is determined by the fuse.
------	--

Product properties

Product type	Socket
Country ID	Denmark

Connection data

Connection method	Push-in spring connection
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	no
----------------	----

Dimensions

Width	45 mm
Height	75 mm
Depth	59.2 mm
Depth on NS 35/7,5	60 mm
Depth on NS 35/15	67.5 mm
Hole diameter	4.4 mm

Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94	V0
Insulating material	PA
Contact material	CuZn38
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 K
--------------	------------------------------

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
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.)
Result	Test passed

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-5 °C ... 40 °C (according to IEC 60884-1, 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

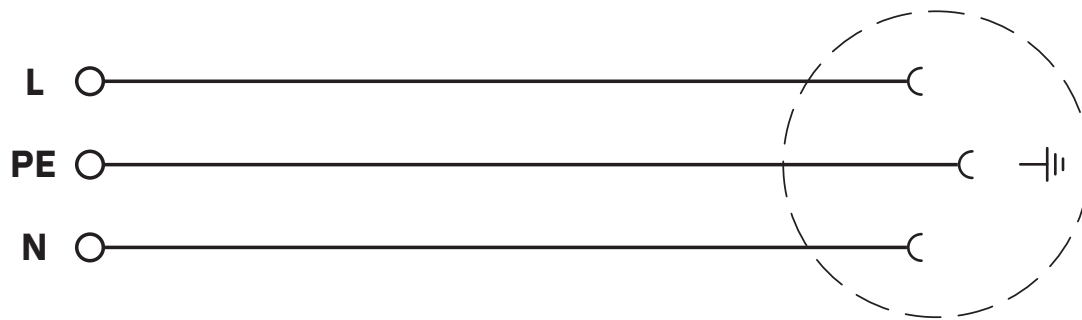
Standards/regulations	SR 107-2-D1
-----------------------	-------------

Mounting

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

Drawings

Circuit diagram



0804120

<https://www.phoenixcontact.com/us/products/0804120>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0804120>



EAC-RoHS

Approval ID: RU D-DE.HB49.B.00025



EAC

Approval ID: KZ7500651131219505

0804120

<https://www.phoenixcontact.com/us/products/0804120>

Classifications

ECLASS

ECLASS-13.0	27142305
ECLASS-15.0	27142305

ETIM

ETIM 9.0	EC001663
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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%