

EO-D/PT - Socket



0804009

<https://www.phoenixcontact.com/us/products/0804009>

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Socket, for India/Africa and other countries, Type: D, connection method: Push-in spring connection, color: gray, nom. voltage: 250 V AC (50 Hz), nominal current: 6 A, for mounting on a DIN rail in the service interface or direct mounting, Country marking: India / Africa

Commercial data

Item number	0804009
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	BE7626
GTIN	4055626225524
Weight per piece (including packing)	74 g
Weight per piece (excluding packing)	70.67 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.
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Product properties

Product type	Socket
Country ID	India / Africa

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	6 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
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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
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Material specifications

Color	gray (RAL 7042)
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	Type: D
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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
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)

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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 %
Resistance against air humidity	95 % ... 48 h

Mounting

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

Circuit diagram



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Classifications

ECLASS

ECLASS-13.0	27142305
ECLASS-15.0	27142305

ETIM

ETIM 10.0	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, No exemptions
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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%
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