EO-AB/UT/LED/15 - Socket

0804155

https://www.phoenixcontact.com/us/products/0804155

Socket, with light indicator, Pin connector pattern type AB 15A, connection method: Screw connection, color: gray, nom. voltage: 125 V AC (60 Hz), nominal current: 15 A, for mounting on a DIN rail in the service interface or direct mounting, standards/specifications: UL 508, IEC 60884-1, Country marking: USA, Canada

Commercial data

Item number	0804155
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7613
GTIN	4055626226781
Weight per piece (including packing)	83.7 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85366990
Country of origin	PL

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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	USA
	Canada

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
	B3
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm² ... 2.5 mm²
Conductor cross-section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 2.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm² ... 2.5 mm²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.2 mm² ... 4 mm²
Nominal current	15 A
Nominal voltage	125 V AC (60 Hz)

Signaling

Status display	yes

Dimensions

Width	45 mm
Height	75 mm
Depth	58.9 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	gray (RAL 7042)
Flammability rating according to UL 94	V0

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Insulating material	PA
Contact material	CuZn38
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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 AB 15A

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 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/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	UL 508
	IEC 60884-1

Mounting

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0804155

UL Listed
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	15 A	-	-

cUL Listed
Approval ID: E238705

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

EAC
Approval ID: KZ7500651131219505

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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
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	b1789900-e6a4-4ebc-8245-0fb997fb5e06

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Accessories

UC-TMF 16 - Marker for terminal blocks

0819262

https://www.phoenixcontact.com/us/products/0819262

Marker for terminal blocks, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 16 mm, Number of individual labels: 32, text field height: 5.1 mm, text field width: 15.45 mm

ZBF 16:UNPRINTED - Zack Marker strip, flat

0827464

https://www.phoenixcontact.com/us/products/0827464

Zack Marker strip, flat, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 16 mm, Number of individual labels: 50, text field height: 10.5 mm, text field width: 16.25 mm

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https://www.phoenixcontact.com/us/products/0804155

EO-SI-FRAME - Adapter plate

0804522

https://www.phoenixcontact.com/us/products/0804522

Adapter plate

SI-M1A - Mounting frame

1404493

https://www.phoenixcontact.com/us/products/1404493

Mounting frame for one front plate/socket, plastic frame: black, plastic cover: transparent, closed with 3 mm two-way key bit and rotary knob, included.

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SI-M1B - Mounting frame

1404494

https://www.phoenixcontact.com/us/products/1404494

Mounting frame for two front plates/sockets, plastic frame: black, plastic cover: transparent, closed with 3 mm two-way key bit and rotary knob, included.

SI-M1A-GL - Mounting frame

1407592

https://www.phoenixcontact.com/us/products/1407592

Mounting frame for one front plate/socket, plastic frame: black, plastic cover: gray, closed with 3 mm two-way key bit and rotary knob, included.

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SI-M1B-GL - Mounting frame

1407593

https://www.phoenixcontact.com/us/products/1407593

Mounting frame for two front plates/sockets, plastic frame: black, plastic cover: gray, closed with 3 mm two-way key bit and rotary knob, included.

SI-M1A-ML - Mounting frame

1407588

https://www.phoenixcontact.com/us/products/1407588

Mounting frame for one front plate/socket, plastic frame: black, plastic cover: metallic, closed with 3 mm two-way key bit and rotary knob, included.

EO-AB/UT/LED/15 - Socket

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SI-M1B-ML - Mounting frame

1407589

https://www.phoenixcontact.com/us/products/1407589

Mounting frame for two front plates/sockets, plastic frame: black, plastic cover: metallic, closed with 3 mm two-way key bit and rotary knob, included.

VS-SI-EB-EMV-1 - Mounting frame

1656482

https://www.phoenixcontact.com/us/products/1656482

Mounting frame, for one front plate or socket, metal frame, matt nickel-plated, electrically conductive, transparent cover

EO-AB/UT/LED/15 - Socket

0804155

https://www.phoenixcontact.com/us/products/0804155

VS-SI-EB-EMV-2 - Mounting frame

1656495

https://www.phoenixcontact.com/us/products/1656495

Mounting frame, for two front plates or sockets, metal frame, matt nickel-plated, electrically conductive, transparent cover

SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/us/products/1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip