

EO-AB/UT/15 - Socket

0804152

<https://www.phoenixcontact.com/us/products/0804152>

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Socket, for USA and other countries, 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, Country marking: USA

Commercial data

Item number	0804152
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7613
GTIN	4055626226767
Weight per piece (including packing)	82.4 g
Weight per piece (excluding packing)	8.236 g
Customs tariff number	85366990
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	USA

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 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)	0.2 mm ² ... 4 mm ²
Nominal current	15 A
Nominal voltage	125 V AC (60 Hz)

Signaling

Status display	no
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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
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 AB 15A
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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)
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
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Mounting

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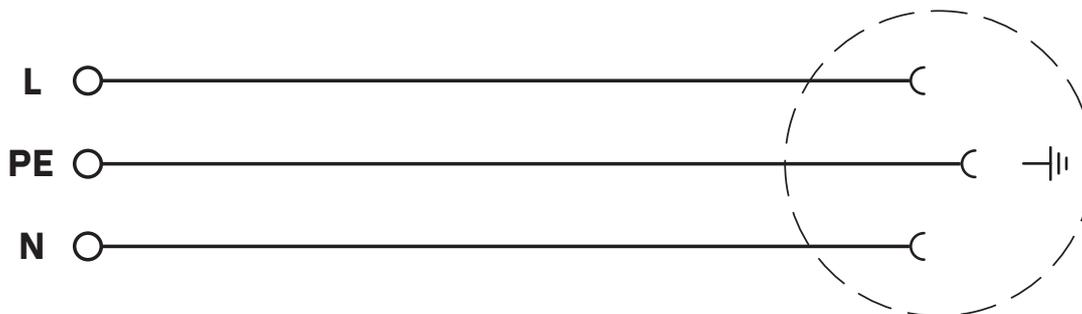


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0804152>

 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				
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 EAC-RoHS Approval ID: RU D-DE.HB49.B.00025				
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 EAC Approval ID: KZ7500651131219505				
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Classifications

ECLASS

ECLASS-13.0	27142305
ECLASS-15.0	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, 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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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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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.



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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



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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



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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com