

# EO-AB/UT/LED/S/15 - Socket



0804160

<https://www.phoenixcontact.com/us/products/0804160>

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, with LED display, switch, Pin connector pattern type AB 15A, connection method: Screw connection, color: gray, nom. voltage: 125 V AC (60 Hz), nominal current: 15 A, DIN rail or direct mounting, standards/specifications: UL 508, IEC 60884-1, Country marking: USA, Canada

## Commercial data

Item number	0804160
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7613
GTIN	4055626226835
Weight per piece (including packing)	95.57 g
Weight per piece (excluding packing)	95.57 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.
------	--

### Product properties

Product type	Socket
Country ID	USA
	Canada

### Electrical properties

Maximum power dissipation for nominal condition	1.8 W
---	-------

### 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 <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
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

0804160

<https://www.phoenixcontact.com/us/products/0804160>

## 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
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	$f_1 = 5 \text{ Hz}$ 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)

# EO-AB/UT/LED/S/15 - Socket



0804160

<https://www.phoenixcontact.com/us/products/0804160>

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

## Standards and regulations

### Standards

Standards/regulations	UL 508
	IEC 60884-1

## Mounting

Mounting type	DIN rail or direct mounting
---------------	-----------------------------

# EO-AB/UT/LED/S/15 - Socket

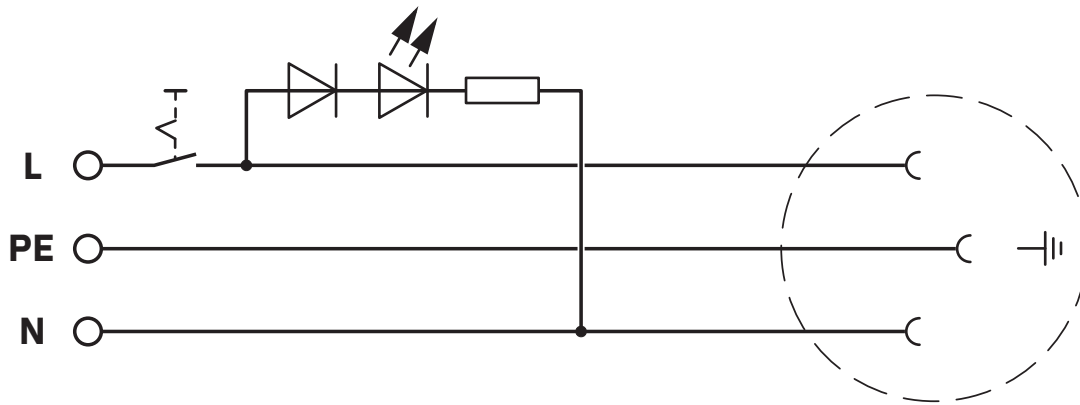
0804160

<https://www.phoenixcontact.com/us/products/0804160>



## Drawings

Circuit diagram





0804160


<https://www.phoenixcontact.com/us/products/0804160>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0804160>

 <b>UL Listed</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	15 A	-	-

 <b>cUL Listed</b> Approval ID: E238705				
---	--	--	--	--

 <b>EAC-RoHS</b> Approval ID: RU D-DE.HB49.B.00025				
--	--	--	--	--

 <b>EAC</b> Approval ID: KZ7500651131219505				
---	--	--	--	--

# EO-AB/UT/LED/S/15 - Socket



0804160

<https://www.phoenixcontact.com/us/products/0804160>

## Classifications

### ECLASS

ECLASS-13.0	27142305
ECLASS-15.0	27142305

### ETIM

ETIM 10.0	EC001663
-----------	----------

### UNSPSC

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

0804160

<https://www.phoenixcontact.com/us/products/0804160>

## 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	c3829d0b-30c5-4571-822a-9dcb11d18ad9

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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