

# EO-AB/UT/20 - Socket



0804508

<https://www.phoenixcontact.com/us/products/0804508>

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Socket, Typ: AB 20A, gray, for mounting on a DIN rail in the service interface or direct mounting, 125 V AC, 20 A, -20 °C, 60 °C, UL 508

## Commercial data

Item number	0804508
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE76
Product key	BE7613
GTIN	4055626396460
Weight per piece (including packing)	80.13 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85366990
Country of origin	PL

## Technical data

### Product properties

Product type	Socket
Country ID	USA

### Data management status

Article revision	02
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### Electrical properties

Nominal voltage $U_N$	125 V AC (60 Hz)
Nominal current $I_N$	20 A

### Connection data

Stripping length	8 mm
Tightening torque	0.5 ... 0.6 Nm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12
Screw thread	M3

### Signaling

Status display	no
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### Dimensions

Width	45 mm
Height	75 mm
Depth	75 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material	PA
Contact material	CuZn37
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	Typ: AB 20A
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C (max. short-term operating temperature RTI Elec. )
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	for mounting on a DIN rail in the service interface or direct mounting
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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0804508>



**EAC**  
Approval ID: RU C-DE.BL08.B.00511

	<b>UL Listed</b> Approval ID: E238705			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	20 A	-	-

	<b>cUL Listed</b> Approval ID: E238705			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	20 A	-	-



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

**cULus Listed**

Classifications

ECLASS

ECLASS-11.0	27142305
ECLASS-12.0	27142305
ECLASS-13.0	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
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, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

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### ZBF 16:UNPRINTED - Zack Marker strip, flat

0827464

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 16.25 x 10.5 mm, Number of individual labels: 50

## EO-AB/UT/20 - Socket

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## EO-SI-FRAME - Adapter plate

0804522

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



Adapter plate for installing the control cabinet sockets (type EO-...) in the mounting frames (type VS-SI-EB-EMV.../ SI-M1A.../ SI-M1B...). Includes fastening hardware for the control cabinet socket

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## 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.



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## 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

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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.



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## 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.



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## 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



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