

EM-DUO 120/20/SW0 - Socket



5603890

<https://www.phoenixcontact.com/us/products/5603890>

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.



Fully enclosed, rail-mounted utility outlet for mounting on 35 mm DIN rail per EN 60715. The 120 V AC/20 A receptacle can be turned on and off with the switch. An indicator light illuminates when the receptacle is active and voltage is present.
Housing color: ivory. National version: USA. Connection type: screw.

Commercial data

Item number	5603890
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE76
Product key	BE7613
GTIN	4046356684866
Weight per piece (including packing)	33.33 g
Weight per piece (excluding packing)	33.33 g
Customs tariff number	85366990
Country of origin	US

EM-DUO 120/20/SW0 - Socket

5603890

<https://www.phoenixcontact.com/us/products/5603890>



Technical data

Notes

Trade restriction

CE note

The products are offered exclusively for export outside the EU and the European Economic Area.

Product properties

Product type

Socket

For country-specific use in

USA

Canada

Mexico

Bahamas

Bermuda

Columbia

Costa Rica

Ecuador

El Salvador

Panama

Puerto Rico

Taiwan

Venezuela

Virgin Islands

Electrical properties

Nominal voltage U_N

125 V AC

Nominal current I_N

20 A

Connection data

Connection method

Screw connection

Stripping length

8 mm

Conductor cross section flexible

4 mm²

Conductor cross section rigid

6 mm²

Cross section AWG

10

Screw thread

M3

Dimensions

Width

82 mm

Height

135 mm

Depth

135 mm

Material specifications

Color

ivory

Insulating material

Polycarbonate & ABS blend

EM-DUO 120/20/SW0 - Socket



5603890

<https://www.phoenixcontact.com/us/products/5603890>

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

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
	CSA 22.2

EM-DUO 120/20/SW0 - Socket



5603890

<https://www.phoenixcontact.com/us/products/5603890>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/5603890>

	UL Listed Approval ID: FILE E 238705			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	120 V	20 A	-	30 - 10

	cUL Listed Approval ID: FILE E 238705			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	120 V	20 A	30 - 10	-

cULus Listed

EM-DUO 120/20/SW0 - Socket



5603890

<https://www.phoenixcontact.com/us/products/5603890>

Classifications

ECLASS

ECLASS-11.0	27142305
ECLASS-12.0	27142305
ECLASS-13.0	27142305

ETIM

ETIM 8.0	EC001663
----------	----------

UNSPSC

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

EM-DUO 120/20/SW0 - Socket



5603890
<https://www.phoenixcontact.com/us/products/5603890>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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