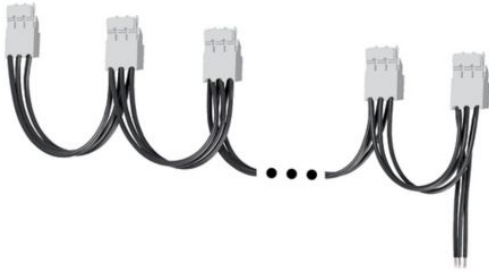


Specifications



Eaton 197175

Eaton Moeller® series EMS2 Three-phase current connector with plug, Pole 3, Devices 5, For use with EMS2-D..., EMS2-D...-SWD..., EMS-R...

General specifications

PRODUCT NAME	Eaton Moeller® series EMS2 three-phase connectors
CATALOG NUMBER	197175
MODEL CODE	EMS2-XBR-Z-5
EAN	4015080896166
PRODUCT LENGTH/DEPTH	114.5 mm
PRODUCT HEIGHT	114.5 mm
PRODUCT WIDTH	22.5 mm
PRODUCT WEIGHT	0.225 kg
CERTIFICATIONS	UL 60947-4-1 CSA-C22.2 No. 60947-4-1- 14 CE marking UL Category Control No.: NLDX, NLDX7 UL File No.: E338590 UL Listed Certified by UL for use in Canada UL report applies to both US and Canada
CATALOG NOTES	Conductor cross-section: 2.5 mm ²

Climatic environmental conditions

**AMBIENT OPERATING
TEMPERATURE - MAX** 70 °C

**AMBIENT OPERATING
TEMPERATURE - MIN** -25 °C

Design verification

10.10 TEMPERATURE RISE

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 ELECTROMAGNETIC COMPATIBILITY

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 MECHANICAL FUNCTION

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.2 CORROSION RESISTANCE

Meets the product standard's requirements.

10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES

Meets the product standard's requirements.

10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT

Meets the product standard's requirements.

10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS

Meets the product standard's requirements.

10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION

Meets the product standard's requirements.

10.2.5 LIFTING

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 MECHANICAL IMPACT

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 INSCRIPTIONS

Meets the product standard's requirements.

10.3 DEGREE OF PROTECTION OF ASSEMBLIES

Does not apply, since the entire switchgear needs to be evaluated.

10.4 CLEARANCES AND CREEPAGE DISTANCES

Meets the product standard's requirements.

10.5 PROTECTION

Does not apply, since the

AGAINST ELECTRIC SHOCK	entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Features & functions

NUMBER OF POLES	Three-pole
------------------------	------------

General information

ACCESSORY/SPARE PART TYPE	Connecting cable
CONNECTION TYPE	Screw terminals
PRODUCT CATEGORY	- Accessories - Electronic motor starter
TYPE	Three-phase current connector with plug
USED WITH	5 devices can be connected

Resources

APPLICATION NOTES	eaton-motor-starter-ems2-setting-motor-protection-twincat3-ap034001-en-us.pdf
BROCHURES	eaton-ems2-electronic-motorstarter-brochure-br034001en-en-us.pdf
DRAWINGS	eaton-contactors-ems2-accessory-3d-drawing-004.eps
ECAD MODEL	DA-CE-ETN.EMS2-XBR-Z-5
INSTALLATION INSTRUCTIONS	IL120004ZU IL034064ZU
INSTALLATION VIDEOS	Eaton's electronic motor starter EMS2
	DA-CS-ems2_xbr_z_5
MCAD MODEL	eaton-accessories-mcad-drawings-ems2-xbr-z-5.dwg
SALES NOTES	eaton-ems2-electronic-motorstarter-flyer-fl034007en-en-us.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

