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Powering Business Worldwide

EMS2-XBR-Z-4 - Three-phase current connector with plug, Pole 3, Devices 4, For use with EMS2-D..., EMS2-D...-SWD..., EMS-R..



197174 EMS2-XBR-Z-4

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## 197174 EMS2-XBR-Z-4

Three-phase current connector with plug, Pole 3, Devices 4, For use with EMS2-D..., EMS2-D...-SWD..., EMS-R..

Alternate Catalog No.

EMS2-XBR-Z-4

Three-phase current connector, Product range: Electronic motor starter, Accessories, Description: Three-phase current connector with plug, Pole: 3, Devices: 4, For use with: EMS2-D..., EMS2-D...-SWD..., EMS-R..., Conductor cross-section: 2.5 mm<sup>2</sup>

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### Delivery program

Product range  
Electronic motor starter  
Basic function  
Accessories  
Description  
Three-phase current connector with plug  
Pole  
3  
Devices  
4 Number  
For use with  
EMS2-D..  
EMS2-D...-SWD..  
EMS-R..  
Conductor cross-section  
2.5 mm<sup>2</sup>

### Technical data

General  
Ambient temperature  
-25 - +70

### Design verification as per IEC/EN 61439

Technical data for design verification  
Rated operational current for specified heat dissipation [ $I_r$ ]  
25 A  
Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
0 W  
Heat dissipation capacity [ $P_{diss}$ ]  
0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+70 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

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

10.2 Strength of materials and parts 10.2.6 Mechanical impact

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

10.2 Strength of materials and parts 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 against electric shock

Does not apply, since the 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 Insulation properties 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

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.

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for electronic motor control and protection device (EC002615)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Electronic motor control and motor protection device / Electronic motor control and motor protection unit (accessories) (ecl@ss10.0.1-27-37-08-92 [ACC035011])

Type of accessory

Connecting cable

## Approvals

Product Standards

UL 60947-4-1; CSA C22.2 No. 60947-4-1-14; CE marking

UL File No.

E338590

UL Category Control No.

NLDX, NLDX7

CSA File No.

UL report applies to both US and Canada

North America Certification  
UL listed, certified by UL for use in Canada  
Specially designed for North America  
No

## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)
- [DA-CD-ems2\\_xbr\\_z\\_4](#)  
CAD data  
DWG files  
(Web)
- [DA-CE-ETN.EMS2-XBR-Z-4](#)  
CAD data  
edz files  
(Web)
- [DA-CS-ems2\\_xbr\\_z\\_4](#)  
CAD data  
Step files  
(Web)

## Product photo



[Photo](#)  
Product photo  
Photo

## 3D drawing



[2100DRW-475](#)  
3D drawing  
Line drawing

## Instruction Leaflet

- [EMS2 Electronic Motorstarter \(IL034064ZU\)](#)  
Instruction Leaflet  
(PDF, 07/2019, Language independent)
- [Elektronic Motorstarter EMS2, SWD type \(IL120004ZU\)](#)  
Instruction Leaflet  
(PDF, 07/2019, Language independent)

## Declaration of Conformity

- [DA-DC-00003279](#)  
Declaration of Conformity  
(PDF)
- [DA-DC-00003280](#)  
Declaration of Conformity  
(PDF)

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