Specifications

Eaton 240083

Catalog Number: 240083

Eaton Moeller® series DILM Incoming connection block, for DILM7-12



General specifications

Product Name
Eaton Moeller® series DILM connection clamp

Catalog Number
240083

EAN
4015082400835

Product Length/Depth
43 mm

Product Height
34 mm

Product Width
44 mm

Product Weight
0.044 kg

Certifications
IEC/EN 60947-4-1
CE
CSA Class No.: 2411-03
CSA File No.: 012528
UL
UL File No.: E36332
CSA
UL Category Control No.: NLRV
CSA-C22.2 No. 14-05
UL 508

Powering Business Worldwide

General

Product category

Accessories

Suitable for

Round conductor connection

Other

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

60 °C

Terminal capacities

Terminal capacity (flexible with ferrule)

2.5 - 16 mm²

Terminal capacity (flexible with ferrule AWG)

14 - 8

Terminal capacity (stranded)

2.5 - 16 mm²

Electrical rating

Rated operational current (Ie) - max

0 A

Rated operational voltage (Ue) - max

690 V

Rated uninterrupted current (Iu)

35 A

Design verification

Equipment heat dissipation, current-dependent Pvid

0.3 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0.1 W

Rated operational current for specified heat dissipation (In)

35 A

Static heat dissipation, non-current-dependent Pvs

0 W

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 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.

10.9.2 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.

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

Resources

Catalogs

Product Range Catalog Switching and protecting motors

SmartWire-DT Catalog

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Declarations of conformity

DA-DC-00004777.pdf

DA-DC-00004810.pdf

DA-DC-00004779.pdf

DA-DC-00004820.pdf

DA-DC-00004792.pdf

Drawings

eaton-contactors-connection-dilm-connection-clamp-dimensions.eps

eaton-contactors-dilm-clamp-3d-drawing.eps

eCAD model

ETN.240083.edz

Installation videos

WIN-WIN with push-in technology

mCAD model

dilm12_xek

dilm12_xek.stp

switchgear must be observed.

10.13 Mechanical function

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

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