Specifications

Eaton 281195



Catalog Number: 281195

Eaton Moeller® series DILM Paralleling link, for DILM40-65

General specifications

Product Name
Eaton Moeller® series DILM paralleling link

Catalog Number
281195

EAN
4015082811952

Product Length/Depth
77 mm

Product Height
53 mm

Product Width
47 mm

Product Weight
0.24 kg

Certifications
CSA File No.: 012528
UL 508
UL File No.: E29096
IEC/EN 60947-4-1
UL
UL Category Control No.: NLDX
CE
CSA Class No.: 3211-03
CSA-C22.2 No. 14-05
CSA

Catalog Notes
AC1 current carrying capacity of the open contactor increases by a factor of 2.5

Powering Business Worldwide

General

Accessory/spare part type

Connecting bridge

Product category

Accessories

Protection

Protected against accidental contact in accordance to VDE 0106 part 100

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

60 °C

Terminal capacities

Terminal capacity

1 x (16 - 120) mm², stranded, Main cables

1 x (16 - 120) mm², flexible with ferrule, Main cables

16 mm², solid

Screw size

5 mm AF, Hexagon socket-head spanner, Terminal screw

Tightening torque

14 Nm, Screw terminal

Conventional thermal current Ith

Conventional thermal current ith of main contacts (1-pole, open)

180 A

Design verification

Equipment heat dissipation, current-dependent Pvid

1.5 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0.5 W

Rated operational current for specified heat dissipation (In)

215 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.

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-00004070.pdf

DA-DC-00004229.pdf

DA-DC-00004782.pdf

DA-DC-00004775.pdf

DA-DC-00004817.pdf

Drawings

eaton-contactors-dilm-paralleling-link-3d-drawing.eps

eCAD model

ETN.DILM65-XP1

Installation videos

WIN-WIN with push-in technology

mCAD model

dil_m65_xp1

dil_m65_xp1.stp

Wiring diagrams

eaton-contactors-dilm-paralleling-link-wiring-diagram-002.eps

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.

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