

Specifications



Eaton 281194

Eaton Moeller® series DILM Paralleling link,
for DILM17-32

General specifications

PRODUCT NAME	Eaton Moeller® series DILM paralleling link
CATALOG NUMBER	281194
MODEL CODE	DILM32-XP1
EAN	4015082811945
PRODUCT LENGTH/DEPTH	43 mm
PRODUCT HEIGHT	42 mm
PRODUCT WIDTH	33 mm
PRODUCT WEIGHT	0.055 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CSA-C22.2 No. 14-05 UL 508 UL File No.: E29096 CSA File No.: 012528 CE CSA Class No.: 3211-03 UL Category Control No.: NLDX CSA UL
CATALOG NOTES	AC1 current carrying capacity of the open contactor increases by a factor of 2.5

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	60 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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Conventional thermal current Ith

CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN)	100 A
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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

General information

ACCESSORY/SPARE PART TYPE	Connecting bridge
PRODUCT CATEGORY	Accessories
PROTECTION	Protected against accidental contact in accordance to VDE 0106 part 100

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.
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)	115 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Short-circuit rating

SHORT-CIRCUIT CURRENT RATING (BASIC RATING)

5 kA, SCCR (UL/CSA)
125 A, max. Fuse, SCCR (UL/CSA)
125 A, max. CB, SCCR (UL/CSA)

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)

10/100 kA, Fuse, SCCR (UL/CSA)
10/65 kA, CB, SCCR (UL/CSA)
50/32 A, max. CB, SCCR (UL/CSA)
125/70 A, Class J, max. Fuse, SCCR (UL/CSA)

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)

10/22 kA, CB, SCCR (UL/CSA)
125/125 A, Class J, max. Fuse, SCCR (UL/CSA)
10/100 kA, Fuse, SCCR (UL/CSA)
50/32 A, max. CB, SCCR (UL/CSA)

Terminal capacities

SCREWDRIVER SIZE

2, Terminal screw, Pozidriv screwdriver

TERMINAL CAPACITY

1 x (16 - 50) mm²
1 x (16 - 35) mm²
16 mm², solid

TIGHTENING TORQUE

4 Nm, Screw terminal

Resources

CATALOGUES

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[eaton-accessory-declaration-of-conformity-uk251279en.pdf](#)
[eaton-accessory-declaration-of-conformity-eu250796en.pdf](#)

DRAWINGS

[eaton-contactors-dilm-paralleling-link-3d-drawing-004.eps](#)

ECAD MODEL

[ETN.DILM32-XP1](#)

INSTALLATION VIDEOS

[WIN-WIN with push-in technology](#)

MCAD MODEL

[eaton-accessories-mcad-drawings-dil-m32-xp1.dwg](#)
[dil_m32_xp1.stp](#)

WIRING DIAGRAMS

[eaton-contactors-dilm-paralleling-link-wiring-diagram-002.eps](#)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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