

Specifications



Eaton 281193

Eaton Moeller® series DILM Paralleling link,
for DILM7-12/MP20

General specifications

PRODUCT NAME	Eaton Moeller® series DILM paralleling link
CATALOG NUMBER	281193
MODEL CODE	DILM12-XP1
EAN	4015082811938
PRODUCT LENGTH/DEPTH	34 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	32 mm
PRODUCT WEIGHT	0.039 kg
CERTIFICATIONS	CSA File No.: 012528 IEC/EN 60947-4-1 UL Category Control No.: NLDX CSA CSA-C22.2 No. 14-05 CE UL 508 UL File No.: E29096 CSA Class No.: 3211-03 UL



Powering Business Worldwide

Climatic environmental conditions

**AMBIENT OPERATING
TEMPERATURE - MAX** 60 °C

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

Conventional thermal current Ith

**CONVENTIONAL
THERMAL CURRENT ITH
OF MAIN CONTACTS (1-
POLE, OPEN)** 50 A

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	0.2 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.2 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	50 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Terminal capacities

SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver
TERMINAL CAPACITY	1 - 16 mm ² , solid 1 x (0.5 - 25) mm ² , stranded 2 x (0.5 - 16) mm ² , flexible with ferrule 6 x 9 x 0.8 mm Number of segments x width x thickness, Flat conductor 2 x (0.5 - 16) mm ² , stranded 1 x (0.5 - 25) mm ² , flexible with ferrule
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-003.eps
ECAD MODEL	ETN.281193.edz
INSTALLATION INSTRUCTIONS	eaton-contactor-accessories-dilm-x-il03406009z.pdf

INSTALLATION VIDEOS	WIN-WIN with push-in technology
	dil_m12_xp1.stp
MCAD MODEL	eaton-accessories-mcad-drawings-dil-m12-xp1.dwg
WIRING DIAGRAMS	eaton-contactors-dilm-paralleling-link-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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