

Specifications



Eaton 284769

Eaton Moeller® series DILM Paralleling link, DILM80 to DILM150

General specifications

PRODUCT NAME	Eaton Moeller® series DILM paralleling link
CATALOG NUMBER	284769
MODEL CODE	DILM150-XP1
EAN	4015082847692
PRODUCT LENGTH/DEPTH	102 mm
PRODUCT HEIGHT	76 mm
PRODUCT WIDTH	83 mm
PRODUCT WEIGHT	0.957 kg
CERTIFICATIONS	CSA File No.: 012528 UL CSA-C22.2 No. 14-05 UL File No.: E29096 CSA Class No.: 3211-03 CE CSA UL 508 IEC/EN 60947-4-1 UL Category Control No.: NLDX
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)	400 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	37.8 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	12.6 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	400 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Terminal capacities

SCREW SIZE	5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables
TERMINAL CAPACITY	1 x (35 - 300) mm², stranded 2 x (35 - 120) mm², stranded 2 x (11 x 21 x 1) mm (Number of segments x width x thickness), Flat conductor
TIGHTENING TORQUE	14 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.eps
ECAD MODEL	ETN.DILM150-XP1
INSTALLATION VIDEOS	WIN-WIN with push-in technology

MCAD MODEL	eaton-accessories-mcad-drawings-dil-m150-xp1.dwg
	eaton-contactors-starters-accessories-3d-models-dil-m150-xp1.stp
WIRING DIAGRAMS	eaton-contactors-dilm-paralleling-link-wiring-diagram-002.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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