

Specifications

Eaton 110099



Eaton Moeller® series DILM Reversing bridge, for DILM7-M12 DILM12-XR

General specifications

PRODUCT NAME	Eaton Moeller® series DILM reversing bridge
CATALOG NUMBER	110099
MODEL CODE	DILM12-XR
EAN	4015081096657
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	31 mm
PRODUCT WIDTH	7 mm
PRODUCT WEIGHT	0.013 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 EN 60947-4-1 CSA Std. C22.2 No. 14-05 IEC 60947-4-1 UL Category Control No.: NLRV UL File No.: E36332 CSA Class No.: 3211-05 UL CSA CSA-C22.2 No. 14-05 CSA File No.: 012528 IEC/EN 60947-4-1 CE



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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C

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

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	2.1 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.7 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	22 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Electrical rating

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX 415 V

RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN 230 V

Features & functions

FUNCTIONS To assemble reversing starters with tool-less plug connection

General information

ACCESSORY/SPARE PART TYPE Connecting bridge

OVERVOLTAGE CATEGORY III

POLLUTION DEGREE 3

RATED IMPULSE WITHSTAND VOLTAGE (UIMP) 6000 V AC

TYPE Connection system
SmartWire

USED WITH DILM7-DILM12

Resources

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

DECLARATIONS OF CONFORMITY [eaton-accessory-declaration-of-conformity-uk251278en.pdf](#)
[eaton-accessory-declaration-of-conformity-eu250795en.pdf](#)

DRAWINGS [eaton-star-delta-starters-parallel-link-dilm-parallel-link-3d-drawing.eps](#)

ECAD MODEL [ETN.110099.edz](#)

INSTALLATION INSTRUCTIONS [eaton-wiring-kits-dilm7-to-dilm12-il03407035z.pdf](#)

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

[eaton-accessories-mcad-drawings-dil-m12-xra2.dwg](#)

MCAD MODEL [eaton-dil-m12-xr-3-d-model.stp](#)

[eaton-accessories-mcad-drawings-dil-m12-xr.dwg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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