Specifications

Eaton 240083

Eaton Moeller® series DILM Incoming connection block, for DILM7-12

General specifications

PRODUCT NAME	Eaton Moeller® series DILM connection clamp
CATALOG NUMBER	240083
MODEL CODE	DILM12-XEK
EAN	4015082400835
PRODUCT LENGTH/DEPTH	43 mm
PRODUCT HEIGHT	34 mm
PRODUCT WIDTH	44 mm
PRODUCT WEIGHT	0.044 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CE CSA Class No.: 2411-03 CSA File No.: 012528 UL UL File No.: E36332 CSA UL Category Control No.: NLRV CSA-C22.2 No. 14-05 UL 508
GLOBAL CATALOG	240083

Powering Business Worldwide

Product specifications

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.

Resources

CATALOGS	SmartWire-DT Catalog eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf Product Range Catalog Switching and protecting motors
DECLARATIONS OF CONFORMITY	DA-DC-00004779.pdf DA-DC-00004820.pdf DA-DC-00004792.pdf DA-DC-00004810.pdf DA-DC-00004777.pdf
DRAWINGS	eaton-contactors-connection-dilm-connection-clamp-dimensions.eps eaton-contactors-dilm-clamp-3d-drawing.eps
ECAD MODEL	ETN.240083.edz
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	dilm12_xek.stp dilm12_xek

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.
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	35 A
RATED UNINTERRUPTED CURRENT (IU)	35 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
WIDTH CLAMP	39 mm
PRODUCT CATEGORY	Accessories
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUSBAR THICKNESS - MAX	0 mm
BUSBAR THICKNESS - MIN	0 mm
BUSBAR WIDTH - MAX	0 mm
BUSBAR WIDTH - MIN	0 mm
CONDUCTOR CROSS SECTION - MAX	16 mm^2
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0.3 W
HEAT DISSIPATION	0 W

CAPACITY PDISS	
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.1 W
RATED OPERATIONAL VOLTAGE (UE) - MAX	690 V
RATED OPERATIONAL CURRENT (IE) - MAX	0 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE AWG)	14 - 8
SUITABLE FOR	Round conductor connection Other
TERMINAL CAPACITY (STRANDED)	2.5 - 16 mm^2
RATED OPERATIONAL CURRENT	0 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2.5 - 16 mm^2

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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