Specifications

Eaton 208281

Eaton Moeller® series DILM Auxiliary contact module, 2 pole, Ith= 10 A, 1 N/O, 1 NC, Side mounted, Screw terminals, DILM250 - DILH2600, SI

General specifications

PRODUCT NAME	Eaton Moeller® series DILM auxiliary contact module
CATALOG NUMBER	208281
MODEL CODE	DILM820-XHI11-SI
EAN	4015082082819
PRODUCT LENGTH/DEPTH	77 mm
PRODUCT HEIGHT	77 mm
PRODUCT WIDTH	15 mm
PRODUCT WEIGHT	0.037 kg
CERTIFICATIONS	CSA File No.: 012528 UL File No.: E29184 CSA-C22.2 No. 14-05 IEC/EN 60947 VDE 0660 IEC/EN 60947-4-1 UL CE CSA UL 508 UL Category Control No.: NKCR CSA Class No.: 3211-04
GLOBAL CATALOG	208281

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Product specifications

TYPE	Side-mounting auxiliary contacts
FEATURES	Interlocked opposing contacts within an auxiliary contact module (according to IEC 60947-5-1 Annex L)
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

Resources

CATALOGS	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf SmartWire-DT Catalog Product Range Catalog Switching and protecting motors
DECLARATIONS OF CONFORMITY	DA-DC-00004796.pdf DA-DC-00004670.pdf DA-DC-00005052.pdf DA-DC-00004669.pdf DA-DC-00004798.pdf DA-DC-00005043.pdf DA-DC-00004804.pdf DA-DC-00004803.pdf
DRAWINGS	eaton-contactors-module-dilm-accessory-3d-drawing.eps
ECAD MODEL	ETN.DILM820-XHI11-SI
INSTALLATION INSTRUCTIONS	IL034095ZU IL034037ZU
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	dil_m32_xhi11_s.stp dil_m32_xhi11_s
WIRING DIAGRAMS	eaton-contactors-mounting-dilm-accessory-wiring-diagram.eps

	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 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.
ELECTRIC CONNECTION TYPE	Screw connection
FITTED WITH:	Interlocked opposing contacts
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C

AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	10 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0.25 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF SWITCHES (FAULT SIGNAL)	0
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC 6000 V
SCREWDRIVER SIZE	2, Terminal screw, Control circuit cables, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA at 500 V
MOUNTING METHOD	Side mounting
CONNECTION	Screw terminals
OVERVOLTAGE CATEGORY	III
CONTROL CIRCUIT RELIABILITY	$\lambda < 5 \times 1/10^7$ (1 failure at 2,000,000 operations for U_e = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
DEGREE OF PROTECTION	IP20
MODEL	Top mounting
LAMP HOLDER	None
FUNCTIONS	For standard applications

SAFE ISOLATION	440 V AC, Between coil and auxiliary contacts, According to EN 61140 440 V AC, Between auxiliary contacts, According to EN 61140 440 V AC, Between auxiliary contacts and main contacts, According to EN 61140
RATED OPERATIONAL CURRENT (IE)	3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in series) 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in series)
SCREW SIZE	M3.5, Terminal screw, Control circuit cables
LIFESPAN, ELECTRICAL	1,300,000 Operations (at 230 V, AC-15, 3 A)
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	15 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
NUMBER OF POLES	Two-pole
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	16 A gG/gL, 500 V, Max. Fuse, Contacts
SHORT-CIRCUIT PROTECTION RATING	Max. 16 A gG/gL, Fuse, Without welding, Auxiliary contacts FAZ-C4/1, Maximum overcurrent protective device, Short-circuit rating without welding, Short-circuit protection only,

	Contacts
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	4 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	1.5 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.8 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.3 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	1.5 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm^2 2 x (0.75 - 2.5) mm^2
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm^2 1 x (0.75 - 2.5) mm^2
TIGHTENING TORQUE	1.2 Nm, Screw terminals
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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