Eaton 230259

Eaton Moeller® series DILE Auxiliary contact module, 4 pole, 1 N/O, 3 NC, Front fixing, Spring-loaded terminals, DILE(E)M...-C, DILER...-C

PRODUCT NAME	Eaton Moeller® series DILE Accessory Auxiliary contact module
CATALOG NUMBER	230259
PRODUCT LENGTH/DEPTH	39 mm
PRODUCT HEIGHT	37 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.042 kg
CERTIFICATIONS	VDE 0660 CE CSA Class No.: 3211-03 IEC/EN 60947-4-1 UL 508 UL CSA IEC/EN 60947 CSA File No.: 012528 CSA-C22.2 No. 14-05 UL Category Control No.: NKCR UL File No.: E29184

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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 be evaluated.
10.2.7 INSCRIPTIONS	Meets the product

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	eaton-contactors-module-dile-accessory-3d-drawing.eps

	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	Spring clamp connection
FITTED WITH:	Interlocked opposing contacts Switching elements according to EN 50005
OPERATING FREQUENCY	9000 Operations/h
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	50 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °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 OF AUXILIARY CONTACTS (1-POLE, OPEN)	10 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.24 W
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	3
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF SWITCHES (FAULT SIGNAL)	0
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
SCREWDRIVER SIZE	0.6 x 3.5 mm, Spring-loaded terminals
MOUNTING POSITION	As required (except vertical with terminals A1/A2 at the bottom)
CONNECTION TYPE	Spring-loaded terminals
MOUNTING METHOD	Front fastening
OVERVOLTAGE CATEGORY	III
CONTROL CIRCUIT RELIABILITY	< 2 λ, < 1 failure at 100,000,000 Operations (at U_e = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
DEGREE OF PROTECTION	IP20
CODE NUMBER	35 in combination with DILER-22 53E in combination with DILER-40(-G) 44 in combination with DILER-31(-G)
MODEL	Top mounting

LAMP HOLDER	None
FUNCTIONS	For standard applications
SAFE ISOLATION	300 V AC, Between auxiliary contacts, According to EN 61140 300 V AC, Between coil and auxiliary contacts, According to EN 61140
RATED OPERATIONAL CURRENT (IE)	1.5 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in series) 2.5 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 0.5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in series) 2.5 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in series)
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 A, 600 V AC, (UL/CSA) 0.5 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
LIFESPAN, MECHANICAL	200,000 Operations (at 240 V, AC-15) 20,000,000 Operations (DC operated) 10,000,000 Operations (AC operated) 150,000 Operations (at 240 V, DC, L/R = 50 ms: 2 contacts in series 0.5 A)
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	Four-pole
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	6 A gG/gL, 500 V, Max. Fuse, Contacts
SHORT-CIRCUIT PROTECTION RATING	10 A fast, 500V, Maximum fuse, Short-circuit rating without welding, Contacts

RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	4 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	2 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	1.5 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	4 A
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	600 V
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (1 - 2.5) mm^2 2 x (1 - 2.5) mm^2
TERMINAL CAPACITY (SOLID)	1 x (1 - 2.5) mm^2 2 x (1 - 2.5) mm^2
TERMINAL CAPACITY (SOLID/STRANDED AWG)	Single 16 – 14, double 16 – 14
SHOCK RESISTANCE	10 g, N/O contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/C contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	

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