

Eaton 168647

Eaton Moeller series xEffect - FRCdM Type AC, A, U, R RCCB, 25A, 4p, 300mA, type G/A

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PRODUCT NAME	Eaton Moeller series xEffect - FRCdM Type AC, A, U, R RCCB
CATALOG NUMBER	168647
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.32 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	ÖVE E 8601 EN45545-2 IEC 61373 IEC/EN 61008



The panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 MECHANICAL FUNCTION 10.2.2 CORROSION RESISTANCE 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES 10.2.3.3 RESIST. OF INSULATING MATERIALS TO NORMAL HEAT 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) Meets the product standard's requiremee than and and and and are product standard's requiremee. Meets the product standard's requiremee.		
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Latch positions for DIN-rail IEC/EN 60715 DIN rail	POLLUTION DEGREE	2
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FUSE RATED SHORT-TIME WITHSTAND CURRENT (ICW) 63 A gG/gL 10 kA	WITHSTAND VOLTAGE	4 kV
WITHSTAND CURRENT 10 kA (ICW)		63 A gG/gL
ADMISSIBLE BACK-UP 25 A gG/gL	WITHSTAND CURRENT	10 kA
	ADMISSIBLE BACK-UP	25 A gG/gL

FUSE OVERLOAD - MAX	
BUILT-IN WIDTH	
(NUMBER OF UNITS)	70 mm (4 SU)
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
SHORT-CIRCUIT RATING	63 A (max. admissible back-up fuse)
STATUS INDICATION	White / blue
SWITCHING CAPACITY OF AUXILIARY CONTACT - MIN	10 μA, 10 mV DC
TERMINAL PROTECTION	Finger and hand touch safe, DGUV VS3, EN 50274
TERMINALS (TOP AND BOTTOM)	Twin-purpose terminals
TEST CIRCUIT RANGE	196 V AC - 456 V AC
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	70.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm²
FAULT CURRENT RATING	300 mA
HEAT DISSIPATION CAPACITY	4.6 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
INTERNAL RESISTANCE AT ROOM TEMPERATURE AND 50HZ	0.66 mΩ
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX	60 °C
PERMITTED STORAGE AND TRANSPORT	-35 °C

TEMPERATURE - MIN	
CONTACT POSITION	
INDICATOR COLOR	Red / green
MOUNTING POSITION	As required
LIFESPAN, MECHANICAL	20000 operations
DEGREE OF PROTECTION	IP20, IP40 with suitable enclosure IP20
IMPULSE WITHSTAND CURRENT	3 kA (8/20 μs) surge-proof
NUMBER OF POLES	Four-pole
LEAKAGE CURRENT TYPE	A
LIFESPAN, ELECTRICAL	4000 operations
ТҮРЕ	 FRCdM Residual current circuit-breakers, digital Type G/A (ÖVE E 8601)
SPECIAL FEATURES	 Ambient temperature hint: Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C Current test marks as per inscription Dry auxiliary contact: > 100,000 electrical switching operations per minute at 2 A 30 VDC resistive load Dry auxiliary contact: > 5 x 100,000 electrical switching operations per minute at 1 A 30 VDC resistive load
APPLICATION	xEffect - Switchgear for industrial and advanced commercial applications
FUNCTIONS	Short-time delayed tripping
SENSITIVITY TYPE	Pulse-current sensitive
TERMINAL CAPACITY (CABLE)	M5 (with cross-recessed screw as defined in EN ISO 4757-Z2, PZ2)

RATED FAULT CURRENT - MAX	0.3 A
RATED FAULT CURRENT - MIN	0.3 A
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	415 V
RATED RESIDUAL MAKING AND BREAKING CAPACITY	500 A
RATED SWITCHING CAPACITY (RESISTIVE LOAD) OF AUXILIARY CONTACT AT 240 V AC	0.25 A
RATED SWITCHING CAPACITY (RESISTIVE LOAD) OF AUXILIARY CONTACT AT 30 V DC	2 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT	0 W
SURGE CURRENT CAPACITY	3 kA
SWITCHING CURRENT OF AUXILIARY CONTACT - MAX	2 A
SWITCHING DUTY WITH RESISTIVE LOAD OF AUXILIARY CONTACT - MAX	60 W
SWITCHING VOLTAGE AT AC OF AUXILIARY CONTACT - MAX	240 V
SWITCHING VOLTAGE AT DC OF AUXILIARY CONTACT - MAX	220 V
VOLTAGE RATING - MAX	264 VAC
VOLTAGE RATING - MIN	50 VAC
WIDTH IN NUMBER OF MODULAR SPACINGS	4
VOLTAGE RATING (IEC/EN 60947-2)	240 V AC / 415 V AC
VOLTAGE TYPE	AC
TERMINAL CAPACITY (SOLID WIRE)	1.5 mm² - 35 mm²
TRIPPING TIME	Short time-delayed 10 ms delayed

RATED SHORT-CIRCUIT STRENGTH	10 kA
TIGHTENING TORQUE	2 Nm - 2.4 Nm
TERMINAL CAPACITY (STRANDED CABLE)	16 mm² (2x)
TERMINAL CAPACITY OF AUXILIARY CONTACT	0.25 mm² - 1.5 mm²
RAL-NUMBER	7035
COLOR	Gray

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
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Eaton House 30 Pembroke Road Dublin 4, □□□ Eaton.com

information.





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