Eaton 187238

Eaton Moeller series xPole - AFDD+ Arc Fault Detection Device, 2 poles, B40A, 30mA, KV, type A

PRODUCT NAME	Eaton Moeller series xPole - AFDD+ Arc fault detection device
CATALOG NUMBER	187238
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	52.5 mm
PRODUCT WEIGHT	0.277 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE

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Delivery program

BASIC FUNCTION	Arc fault circuit interrupter
NUMBER OF POLES	Two-pole
TRIPPING CHARACTERISTIC	B
APPLICATION	Switchgear for residential and commercial applications
RATED CURRENT	40 A
RATED SWITCHING CAP (IEC/EN 60898-1)	6 kA
TYPE	AFDD+
TRIPPING	Short time-delayed
BUSBAR TYPE	ZV-SS
PRODUCT RANGE	AFDD
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.

Technical data - electrical

TYPES CONFORM TO	IEC/EN 62606 IEC/EN 61009
CURRENT TEST MARKS	As per inscription
RATED SWITCHING CAP (IEC/EN 60898-1)	6 kA
TEST CIRCUIT AC	170 - 264 Voltage AC

Technical data - mechanical

DEVICE HEIGHT	80 mm
BUILT-IN WIDTH	54 mm
DEGREE OF PROTECTION	IP20
TERMINALS (TOP AND BOTTOM)	Twin-purpose
TERMINAL PROTECTION	Busbar tag shroud as per VBG4, ÖVE-EN 6
THICKNESS OF BUSBAR MATERIAL	0.8 - 2 Square Millimeter
CLIMATIC PROOFING	IEC/EN 61009
CONTACT POSITION INDICATOR	red / green

Design verification as per IEC/EN 61439

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
OPERATING AMBIENT TEMPERATURE - MIN	-25 °C
OPERATING AMBIENT TEMPERATURE - MAX	40 °C
THICKNESS OF BUSBAR MATERIAL	0.8 - 2 Square Millimeter
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.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
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.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.

PRODUCT APPLICATION	Switchgear for residential and commercial applications
IMPULSE WITHSTAND CURRENT	Partly surge-proof, 250 A
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
TERMINAL PROTECTION	Busbar tag shroud as per VBG4, ÖVE-EN 6
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.

Technical data ETIM 7.0

NUMBER OF POLES	Two-pole
RATED CURRENT	40 A
LEAKAGE CURRENT TYPE	A
CURRENT LIMITING CLASS	3
RATED SWITCHING CAP (IEC/EN 60898-1)	6 kA
FREQUENCY	50 Hz
RELEASE CHARACTERISTIC	B
POLLUTION DEGREE	2
BUILT-IN DEPTH	67 mm
ADDITIONAL EQUIPMENT ATTACHED AT DELIVERY	Fire protection switch
RATED SWITCH CURRENT AUXILIARY DEVICE	0 A
RATED VOLTAGE AUXILIARY DEVICE	230 V
CONTROL VOLTAGE TYPE AUXILIARY EQUIPMENT	AC

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CHARACTERISTIC CURVE	eaton-xpole-afdd-characteristic-curve.jpg eaton-xpole-afdd-characteristic-curve-002.jpg
MCAD MODEL	eaton-afdd-in-combination-with-rcbos-mcad-drawings-afdd.dwg eaton-afdd-in-combination-with-rcbos-3d-models-afdd.stp
□□□	eaton-xpole-afdd-wiring-diagram.jpg
□□□□	eaton-2020-es-emea-uk-pdd-catalogue-update-july-2020.pdf
□□□□□	eaton-afdd-catalog-tech-en-us.pdf
□□	eaton-xpole-afdd-dimensions.jpg eaton-xpole-afdd-3d-drawing-003.jpg eaton-xpole-afdd-3d-drawing.jpg

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