Produkte



Foto ist repräsentativ





Eaton 187272

Eaton Moeller series xPole - AFDD+ Arc Fault Detection Device, 2 poles, B20A, 30mA, type F

Allgemeine Spezifikation

PRODUCT NAME	Eaton Moeller series xPole - AFDD+ Arc fault detection device
CATALOG NUMBER	187272
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	52.5 mm
PRODUCT WEIGHT	0.277 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	CE
EAN	4015081823215
MODEL CODE	AFDD-20/2/B/003-F

Powering Business Worldwide

Zusätzliche Informationen

ADDITIONAL EQUIPMENT ATTACHED AT DELIVERY	Fire protection switch
CURRENT LIMITING CLASS	3
TYPES CONFORM TO	IEC/EN 61009 IEC/EN 62606

cLieferprogramm

APPLICATION	Switchgear for residential and commercial applications
BASIC FUNCTION	Arc fault circuit interrupter
FAULT CURRENT RATING	0.03 A
NUMBER OF POLES	Two-pole
NUMBER OF POLES (PROTECTED)	2
NUMBER OF POLES (TOTAL)	2
PRODUCT APPLICATION	Switchgear for residential and commercial applications
PRODUCT RANGE	AFDD
RATED CURRENT	20 A
RATED CURRENT OF PRODUCT RANGE	10-40 Ampere
RELEASE CHARACTERISTIC	B
SENSITIVITY TYPE	Type F
TRIPPING CHARACTERISTIC	B
TYPE	AFDD+

Bauartnachweis gemäß IEC/EN 61439

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.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION	Does not apply, since the

Technische Daten für den Bauartnachweis nach IEC/EN 61439

AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	8.5 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	20 A

AGAINST ELECTRIC SHOCK	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.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.

Technische daten - elektrisch

CONTROL VOLTAGE TYPE AUXILIARY EQUIPMENT	AC
CURRENT TEST MARKS	As per inscription
FREQUENCY RATING	50 Hz
IMPULSE WITHSTAND CURRENT	Surge-proof, 3 kA
LEAKAGE CURRENT TYPE	A
LIFESPAN, ELECTRICAL	4000 operations
POLLUTION DEGREE	2
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4
RATED SHORT-CIRCUIT BREAKING CAPACITY	10 Kilo Ampere
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)	10 kA
RATED SWITCHING CAPACITY (IEC/EN 61009)	10 kA
RATED VOLTAGE AUXILIARY DEVICE	230 V
TEST CIRCUIT AC	170 - 264 Voltage AC
TRIPPING	Short time-delayed
VOLTAGE RATING	230 V
FREQUENCY	50 Hz

Technische daten - mechanisch

BUILT-IN DEPTH	67 mm
BUILT-IN WIDTH	54 mm
CLIMATIC PROOFING	IEC/EN 61009
CONTACT POSITION INDICATOR	red / green
DEGREE OF PROTECTION	IP20
DEGREE OF PROTECTION (BUILT IN)	IP40
DEVICE HEIGHT	80 mm
FRAME	45 mm
LIFESPAN, MECHANICAL	20000 operations
MOUNTING STYLE	Tri-stable slide catch - enables removal from existing busbar combination
PERMISSIBLE STORAGE AND TRANS TEMP. MAX	60 °C
TERMINAL PROTECTION	Busbar tag shroud as per VBG4, ÖVE-EN 6
TERMINALS (TOP AND BOTTOM)	Twin-purpose
THICKNESS OF BUSBAR MATERIAL	0.8 - 2 Square Millimeter
WIDTH IN NUMBER OF MODULAR SPACINGS	3
PERMISSIBLE STORAGE AND TRANS TEMP. MIN	-35 °C

Downloads

DECLARATIONS OF CONFORMITY	eaton-arc-fault-detection-device-declaration-of-conformity-eu250061en.pdf eaton-arc-fault-detection-device-declaration-of-conformity-uk251444en.pdf
INSTALLATIONSANLEITUNG	eaton-afdd-instruction-leaflet-il019125zu-150501491-en-us.pdf
INSTALLATIONSVIDEOS	Brandschutzschalter - AFDD+
KATALOGE	eaton-2020-es-emea-uk-pdd-catalogue-update-july-2020.pdf
KENNLINIE	eaton-xpole-afdd-characteristic-curve-002.jpg eaton-xpole-afdd-characteristic-curve.jpg
MCAD MODEL	eaton-afdd-in-combination-with-rcbos-3d-models-afdd.stp
SCHALTPLÄNE	eaton-xpole-afdd-wiring-diagram.jpg
TECHNISCHE DATENBLÄTTER	eaton-afdd-catalog-tech-en-us.pdf
ZEICHNUNGEN	eaton-xpole-afdd-dimensions.jpg eaton-xpole-afdd-3d-drawing-003.jpg eaton-xpole-afdd-3d-drawing.jpg

PROJEKTNAME:	
PROJEKTNUMMER:	
ERSTELLT VON:	
DATUM:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Irland
Eaton.com

© 2026 Eaton. Alle Rechte vorbehalten.

Folgen Sie uns in den sozialen Netzwerken und erhalten Sie aktuelle Produkt- und Supportinformationen.