DATASHEET - AFDD-10/2/B/003-A



Arc Fault Detection Device, 2p, B, 10 A, 30 mA, type A

Part no. AFDD-10/2/B/003-A
187168

EL Number (Norway) 1601416

Similar to illustration

Product name	Eaton Moeller series xPole - AFDD+ Arc fault detection device
Part no.	AFDD-10/2/B/003-A
EAN	4015081822171
Product Length/Depth	80 millimetre
Product height	73 millimetre
Product width	52.5 millimetre
Product weight	0.277 kilogram
Compliances	CE Marked RoHS conform
Certifications	CE
Product Tradename	xPole - AFDD+
Product Type	Arc fault detection device
Product Sub Type	None
Application	Switchgear for residential and commercial applications
Product range	AFDD
Basic function	Arc fault circuit interrupter
Product application	Switchgear for residential and commercial applications
Number of poles	Two-pole
Release characteristic	B
Tripping characteristic	B
Rated current	10 A
Rated current of product range	10-40 Ampere
Fault current rating	0.03 A
Sensitivity type	Type A Pulse-current sensitive
Type	AFDD+
Voltage rating	230 V
Current test marks	As per inscription
Impulse withstand current	Partly surge-proof, 250 A
Frequency	50 Hz
Leakage current type	A
Rated switching capacity (IEC/EN 61009)	10 kA
Rated short-circuit breaking capacity	10 Kilo Ampere
Rated short-circuit breaking capacity (EN 60947-2)	0 kA
Rated short-circuit breaking capacity (EN 61009)	10 kA
Test circuit AC	170 - 264 Voltage AC
Tripping	Non-delayed
Control voltage type auxiliary equipment	AC
Rated voltage auxiliary device	230 V
Rated switch current auxiliary device	0 A
Pollution degree	2
Lifespan, electrical	4000 operations
Frame	45 mm

Width In Number Of Modular Spacings			3
Built-in width			54 mm
Device height			80 mm
Built-in depth			67 mm
Mounting style			Tri-stable slide catch - enables removal from existing busbar combination
Degree of protection			IP20
Degree of protection (built in)			IP40
Terminals (top and bottom)			Twin-purpose
Terminal protection			Busbar tag shroud as per VBG4, ÖVE-EN 6
Contact position indicator			red / green
Thickness of busbar material			0.8 - 2 Square Millimeter
Climatic proofing			IEC/EN 61009
Lifespan, mechanical			20000 operations
Rated operational current for specified heat dissipation (In)			10 A
Equipment heat dissipation, current-dependent			5.5 W
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.
10.2.3.3 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.
10.6 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.
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.
Current limiting class			3
Additional equipment attached at delivery			Fire protection switch
Types conform to			IEC/EN 61009 IEC/EN 62606

Technical data ETIM 8.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker with auxiliary device (EC002695)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Earth leakage circuit breaker with auxiliary device (ecl@ss10.0.1-27-14-22-13 [ADI479007])

Number of poles			2
Rated voltage		V	230
Rated current		A	10
Rated fault current		A	0.03
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity according to EN 61009		kA	10
Rated short-circuit breaking capacity according to IEC 60947-2		kA	0
Frequency		Hz	50

Release characteristic			B
Concurrently switching neutral conductor			No
Over voltage category			3
Pollution degree			2
Width in number of modular spacings			3
Built-in depth		mm	67
Additional equipment attached at delivery			Fire protection switch
Rated switch current auxiliary device		A	0
Rated voltage auxiliary device		V	230
Control voltage type auxiliary equipment			AC
Degree of protection (IP)			IP20

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