



Arc Fault Detection Device, 2p, B, 20 A, 30 mA, type F



**Part no. AFDD-20/2/C/003-F
187275**

Product name	Eaton Moeller series xPole - AFDD+ Arc fault detection device
Part no.	AFDD-20/2/C/003-F
EAN	4015081823246
Product Length/Depth	80 millimetre
Product height	73 millimetre
Product width	52.5 millimetre
Product weight	0.277 kilogram
Compliances	RoHS conform
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	C
Tripping characteristic	C
Rated current	20 A
Rated current of product range	10-40 Ampere
Fault current rating	0.03 A
Sensitivity type	Type F Pulse-current sensitive up to 1 kHz and ≤10 mA smooth DC current
Type	AFDD+
Current test marks	As per inscription
Impulse withstand current	Surge-proof, 3 kA
Rated switching capacity (IEC/EN 61009)	10 kA
Rated short-circuit breaking capacity	10 Kilo Ampere
Test circuit AC	170 - 264 Voltage AC
Tripping	Short time-delayed
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)			20 A
Equipment heat dissipation, current-dependent			8.5 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
Types conform to			IEC/EN 61009 IEC/EN 62606