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## Eaton 187186

Eaton Moeller series xPole - AFDD+ Arc Fault Detection Device, 2 poles, C13A, 30mA, type A

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<b>PRODUCT NAME</b>	Eaton Moeller series xPole - AFDD+ Arc fault detection device
<b>CATALOG NUMBER</b>	187186
<b>PRODUCT LENGTH/DEPTH</b>	80 mm
<b>PRODUCT HEIGHT</b>	73 mm
<b>PRODUCT WIDTH</b>	52.5 mm
<b>PRODUCT WEIGHT</b>	0.277 kg
<b>COMPLIANCES</b>	CE Marked RoHS conform
<b>CERTIFICATIONS</b>	CE



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## Delivery program

<b>BASIC FUNCTION</b>	Arc fault circuit interrupter
<b>NUMBER OF POLES</b>	Two-pole
<b>TRIPPING CHARACTERISTIC</b>	C
<b>APPLICATION</b>	Switchgear for residential and commercial applications
<b>RATED CURRENT</b>	13 A
<b>RATED SWITCHING CAP (IEC/EN 60898-1)</b>	10 kA
<b>TYPE</b>	AFDD+
<b>TRIPPING</b>	Non-delayed
<b>BUSBAR TYPE</b>	ZV-SS
<b>PRODUCT RANGE</b>	AFDD
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.

## Technical data - mechanical

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

## Technical data - electrical

<b>TYPES CONFORM TO</b>	IEC/EN 62606 IEC/EN 61009
<b>CURRENT TEST MARKS</b>	As per inscription
<b>RATED SWITCHING CAP (IEC/EN 60898-1)</b>	10 kA
<b>TEST CIRCUIT AC</b>	170 - 264 Voltage AC

## Design verification as per IEC/EN 61439

<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	13 A
<b>OPERATING AMBIENT TEMPERATURE - MIN</b>	-25 °C
<b>OPERATING AMBIENT TEMPERATURE - MAX</b>	40 °C
<b>THICKNESS OF BUSBAR MATERIAL</b>	0.8 - 2 Square Millimeter
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.

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

## Technical data ETIM 7.0

<b>NUMBER OF POLES</b>	Two-pole
<b>RATED CURRENT</b>	13 A
<b>LEAKAGE CURRENT TYPE</b>	A
<b>CURRENT LIMITING CLASS</b>	3
<b>RATED SWITCHING CAP (IEC/EN 60898-1)</b>	10 kA
<b>FREQUENCY</b>	50 Hz
<b>RELEASE CHARACTERISTIC</b>	C
<b>POLLUTION DEGREE</b>	2
<b>BUILT-IN DEPTH</b>	67 mm
<b>ADDITIONAL EQUIPMENT ATTACHED AT DELIVERY</b>	Fire protection switch
<b>RATED SWITCH CURRENT AUXILIARY DEVICE</b>	0 A
<b>RATED VOLTAGE AUXILIARY DEVICE</b>	230 V
<b>CONTROL VOLTAGE TYPE AUXILIARY EQUIPMENT</b>	AC

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<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-xpole-afdd-characteristic-curve.jpg</a>
<b>MCAD MODEL</b>	<a href="#">eaton-afdd-in-combination-with-rcbos-3d-models-afdd.stp</a> <a href="#">eaton-afdd-in-combination-with-rcbos-drawings-afdd.dwg</a>
□□□	<a href="#">eaton-xpole-afdd-wiring-diagram.jpg</a>
□□□□	<a href="#">eaton-2020-es-emea-uk-pdd-catalogue-update-july-2020.pdf</a>
□□□□□	<a href="#">eaton-afdd-catalog-tech-en-us.pdf</a>
□□	<a href="#">eaton-xpole-afdd-dimensions.jpg</a> <a href="#">eaton-xpole-afdd-3d-drawing-004.jpg</a> <a href="#">eaton-xpole-afdd-3d-drawing-002.jpg</a>

