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## Eaton 177933

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB combination, 10A, 30mA, MCB D trip char., 1pole+N, RCCB trip char.: A

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<b>PRODUCT NAME</b>	Eaton Moeller series xEffect - FRBm6 RCBO - residual-current circuit breaker with overcurrent protection
<b>CATALOG NUMBER</b>	177933
<b>PRODUCT LENGTH/DEPTH</b>	80 mm
<b>PRODUCT HEIGHT</b>	75 mm
<b>PRODUCT WIDTH</b>	35 mm
<b>PRODUCT WEIGHT</b>	0.216 kg
<b>COMPLIANCES</b>	CE Marked RoHS conform
<b>CERTIFICATIONS</b>	CE



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<b>VOLTAGE RATING</b>	240 V - 240 V
<b>SURGE CURRENT CAPACITY</b>	0.25 kA
<b>VOLTAGE TYPE</b>	AC
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	2
<b>FEATURES</b>	Concurrently switching N-neutral
<b>OPERATING AMBIENT TEMPERATURE - MAX</b>	40 °C
<b>OPERATING AMBIENT TEMPERATURE - MIN</b>	-25 °C
<b>RATED CURRENT</b>	10 A
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	10 A
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>	0 W
<b>BUILT-IN DEPTH</b>	75.5 mm
<b>CURRENT LIMITING CLASS</b>	3
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)</b>	0 kA
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	40 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>FAULT CURRENT RATING</b>	0.03 A
<b>HEAT DISSIPATION CAPACITY</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	0 W
<b>NUMBER OF POLES (PROTECTED)</b>	1
<b>NUMBER OF POLES (TOTAL)</b>	2
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	240 V
<b>BASIC FUNCTION</b>	Combined RCD/MCB devices
<b>MOUNTING METHOD</b>	DIN rail
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	2.3 W
<b>RATED IMPULSE</b>	4 kV

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□□□□	<a href="#">xEffect_FR_RCCB_FAZ%20MCB.pdf</a>
□□□□	<a href="#">eaton-xeffect-frbm6-rcbo-catalog-ca003015en-en-us.pdf</a>

<b>WITHSTAND VOLTAGE (UIMP)</b>	
<b>DEGREE OF PROTECTION</b>	IP20
<b>OVERVOLTAGE CATEGORY</b>	III
<b>POLLUTION DEGREE</b>	2
<b>LEAKAGE CURRENT TYPE</b>	A
<b>RELEASE CHARACTERISTIC</b>	D
<b>FREQUENCY RATING</b>	50 Hz
<b>RATED INSULATION VOLTAGE (UI)</b>	500 V
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>	1 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>	25 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>	1 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b>	25 mm <sup>2</sup>
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)</b>	6 kA
<b>NUMBER OF POLES</b>	Single-pole + N
<b>DISCONNECTION CHARACTERISTIC</b>	Undelayed
<b>TYPE</b>	RCBO
<b>APPLICATION</b>	Switchgear for industrial and advanced commercial applications

