

RCD/MCB combination, 40 A, 30 mA, MCB trip characteristic: C, 1p+N,
RCD trip characteristic: A

Part no. **HNB-C40/1N/003-A**
303357

General specifications		
Product name		Eaton Moeller series xPole - HNB RCBO - residual-current circuit breaker with overcurrent protection
Part no.		HNB-C40/1N/003-A
EAN		9010238987326
Product Length/Depth		75.5 millimetre
Product height		84.5 millimetre
Product width		35 millimetre
Product weight		0.203 kilogram
Compliances		RoHS conform
Product Tradename		xPole - HNB
Product Type		RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type		None
Catalog Notes		Y7-236766 PKN6-40/1N/C/003-A-MW
Delivery program		
Number of poles (protected)		1
Number of poles (total)		2
Release characteristic		C
Amperage Rating		40 A
Rated current		40 A
Fault current rating		0.03 A
Technical Data - Electrical		
Voltage type		AC
Rated operational voltage (Ue) - max		230 V
Rated insulation voltage (Ui)		500 V
Rated impulse withstand voltage (Uimp)		4 kV
Frequency rating		50 Hz
Leakage current type		A
Rated short-circuit breaking capacity (EN 60947-2)		0 kA
Rated short-circuit breaking capacity (EN 61009)		6 kA
Rated short-circuit breaking capacity (EN 61009-1)		6 kA
Rated short-circuit breaking capacity (IEC 60947-2)		0 kA
Surge current capacity		0.25 kA
Disconnection characteristic		Undelayed
Pollution degree		2
Technical Data - Mechanical		
Width in number of modular spacings		2
Built-in depth		69.5 mm
Degree of protection		IP20
Connectable conductor cross section (solid-core) - min		1 mm ²
Connectable conductor cross section (solid-core) - max		25 mm ²
Connectable conductor cross section (multi-wired) - min		1 mm ²
Connectable conductor cross section (multi-wired) - max		25 mm ²
Design verification as per IEC/EN 61439 - technical data		
Ambient operating temperature - max		40 °C
Ambient operating temperature - min		-25 °C
Additional information		

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker (EC000905)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / MCB/RCCB combination (ecl@ss13-27-14-22-07 [AFZ810020])

Number of poles (total)		2
Number of protected poles		1
Rated voltage	V	230
Rated insulation voltage U_i	V	500
Rated impulse withstand voltage U_{imp}	kV	4
Rated current	A	40
Rated fault current	A	0.03
Leakage current type		A
Current limiting class		3
Power loss	W	
Rated short-circuit breaking capacity according to EN 61009	kA	6
Rated short-circuit breaking capacity according to IEC 60947-2	kA	0
Rated short-circuit breaking capacity I_{cn} according to EN 61009-1	kA	6
Disconnection characteristic		Undelayed
Surge current capacity	kA	0.25
Voltage type		AC
Frequency		50 Hz
Release characteristic		C
Concurrently switching neutral conductor		No
With interlocking device		No
Over voltage category		3
Pollution degree		2
Ambient temperature during operating	°C	-25 - 40
Width in number of modular spacings		2
Built-in depth	mm	69.5
Flush-mounted installation		No
Anti-nuisance tripping version		No
Degree of protection (IP)		IP20
Connectable conductor cross section solid-core	mm ²	1 - 25
Connectable conductor cross section multi-wired	mm ²	1 - 25