



**RCD/MCB combination, 20 A, 30 mA, MCB trip characteristic: B, 1p+N,
RCD trip characteristic: A**

**Part no. HNB-B20/1N/003-A
195134**

Product name	Eaton Moeller series xPole - HNB RCBO - residual-current circuit breaker with overcurrent protection
Part no.	HNB-B20/1N/003-A
EAN	9010238060975
Product Length/Depth	80 millimetre
Product height	73 millimetre
Product width	35 millimetre
Product weight	0.203 kilogram
Compliances	CE Marked RoHS conform
Certifications	CE
Product Tradename	xPole - HNB
Product Type	RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type	None
Globally Marketable	Yes
Number of poles (protected)	1
Number of poles (total)	2
Release characteristic	B
Rated current	20 A
Fault current rating	0.03 A
Type	RCBO
Voltage type	AC
Voltage rating	230 V
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
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
Ambient operating temperature - max	40 °C
Ambient operating temperature - min	-25 °C

Current limiting class		3
Features		Concurrently switching N-neutral

Technical data ETIM 8.0

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@ss10.0.1-27-14-22-07 [AFZ810015])		
Number of poles (total)		2
Number of protected poles		1
Rated voltage	V	230
Rated insulation voltage Ui	V	500
Rated impulse withstand voltage Uimp	kV	4
Rated current	A	20
Rated fault current	A	0.03
Leakage current type		A
Current limiting class		3
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 Icn according to EN 61009-1	kA	6
Disconnection characteristic		Undelayed
Surge current capacity	kA	0.25
Voltage type		AC
Frequency		50 Hz
Release characteristic		B
Concurrently switching neutral conductor		Yes
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