DATASHEET - HN-C10/3



Miniature circuit breaker (MCB), 10 A, 3p, characteristic: C

Powering Business Worldwide*

Part no. HN-C10/3 194889

General specifications	
Product name	Eaton Moeller series xPole Home - HN/HN-HX MCB
Part no.	HN-C10/3
EAN	9010238063730
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	53.1 millimetre
Product weight Product weight	0.36 kilogram
Compliances	RoHS conform
Product Tradename	xPole Home - HN/HN-HX
Product Type	мсв
Product Sub Type	None
Delivery program	
Application	Switchgear for residential and commercial applications xPole Home - Switchgear for residential applications
Number of poles	Three-pole
Number of poles (total)	3
Number of poles (protected)	3
Tripping characteristic	С
Release characteristic	С
Amperage Rating	10 A
Туре	HN Miniature circuit breaker
echnical Data - Electrical	
Voltage type	AC
Rated operational voltage (Ue) - max	230 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60898-1)	6 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	6 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	6 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Overvoltage category	III
Pollution degree	3
echnical Data - Mechanical	
Width in number of modular spacings	3
Built-in depth	44 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	
•	10.0
Rated operational current for specified heat dissipation (In)	10 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	4.6 W

Heat dissipation capacity Ambient operating temperature - min -25 °C Ambient operating temperature - max 75 °C Design verification as per IEC/EN 61439 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Degree of protection of assemblies 10.3.0 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and connections 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and connections 10.5 Incorporation of switching devices and connections 10.5 Incorporation of switching devices and connections 10.6 Connections for external conductors 10.8 Connections for external conductors 10.9 Protection against electric strength 10.9 Incorporation of switching devices and connections 10.8 Connections for external conductors 10.9 Incorporation of switching devices and connections 10.9 Incorporation of switching devices and connections 10.9 Incorporation of switching dev	Static heat dissipation, non-current-dependent	0 W
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observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. Additional information Current limiting class Features Additional equipment possible Special features Additional equipment possible Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Flush-mounted installation Used with	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Additional information Current limiting class Features Additional equipment possible Special features Additional equipment possible Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Suitable for Used with HN	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Current limiting class Features Additional equipment possible Special features Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Suitable for Used with HN	10.13 Mechanical function	
Features Additional equipment possible Special features Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Suitable for Flush-mounted installation Used with	Additional information	
Special features Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity Suitable for Used with HN	Current limiting class	3
Current carrying capacity Suitable for Flush-mounted installation Used with HN	Features	Additional equipment possible
Used with HN	Special features	
	Suitable for	Flush-mounted installation
	Used with	

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01 [AAB905019])

Built-in depth	mr	m 4	14
Release characteristic		C	
Number of poles (total)		3	3
Number of protected poles		3	3
Rated current	А	1	0
Rated voltage	V	2	230
Rated insulation voltage Ui	V	4	140
Rated impulse withstand voltage Uimp	kV	4	ı
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V $$	kA	6	6
Voltage type		Δ	C
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V $$	kA	6	6
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	kA	. 0	
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	. 0	
Frequency	Hz	5	50 - 60
Power loss	W	4	1.5

Current limiting class		3
Flush-mounted installation		Yes
Concurrently switching neutral conductor		No
Over voltage category		3
Pollution degree		3
Additional equipment possible		Yes
Width in number of modular spacings		3
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm ²	1 - 25
Connectable conductor cross section solid-core	mm ²	1 - 25
Explosion-proof		No