## Miniature circuit breaker (MCB), 16 A, 1p, characteristic: B



Part no. HL-B16/1 194721

Product name	Eaton Moeller series xPole - HL/HL-HX MCB
Part no.	HL-B16/1
EAN	9010238062054
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	17.7 millimetre
Product weight	0.12 kilogram
Compliances	RoHS conform
Product Tradename	xPole - HL/HL-HX
Product Type	MCB
Product Sub Type	None
Application	Switchgear for residential and commercial applications xPole Home - Switchgear for residential applications
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	В
Release characteristic	В
Amperage Rating	16 A
Туре	HL Miniature circuit breaker
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)	4.5 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	4.5 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	4.5 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
Width in number of modular spacings	1
Built-in depth	44 mm
Degree of protection	IP20
Connectable conductor cross section (solid-core) - min	1 mm²
Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - min	1 mm²
Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
Rated operational current for specified heat dissipation (In)	16 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	2.2 W
Static heat dissipation, non-current-dependent	0 W

Ambient operating temperature - min Ambient operating temperature - max  10.2.2 Corrosion resistance  10.2.3 I Verification of thermal stability of enclosures  10.2.3 I Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Resist. of insul. mat. to abnormal heat/fire by internal elect effects  10.2.3 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 Lifting  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.7 Instantal electrical circuits and connections  10.8 Connections for external conductors  10.9 Lifting of enclosures made of insulating material  10.9 Lifting of enclosures made of insulating material  10.1 Tomperature rise  10.1 Tomperature rise  10.1 Tomperature rise  10.2 The abnormal builder's responsibility.  10.3 Testing of enclosures made of insulating material  10.1 Tomperature rise  10.1 Tomperature rise  10.1 Short-circuit rating  10.2 Electromagnotic compatibility  10.3 Degree of protection of external conductors  10.4 Testing of enclosures made of insulating material  10.5 Testing of enclosures made of insulating material  10.6 Testing of enclosures made of insulating material  10.7 Testing of enclosures made of insulating material  10.8 Testing of enclosures made of insulating material  10.9 Testing of enclosures made of insulating material  10.1 Short-circuit rating  10.1 Short-circuit rating  10.1 Short-circuit rating  10.1 Short-circuit rating  10.2 Short made the provide be	Heat dissipation capacity	0 W
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provide heat dissipation data for the devices.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  10.14 Mechanical function  10.15 Mechanical function  10.15 Mechanical function  10.16 device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  10.15 Mechanical function  10.16 device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  10.17 Mechanical function  10.18 Mechanical function  10.19 Mechanical function  10.19 Mechanical function  10.10 Mechanical function  10.10 Mechanical function  10.11 Mechanical function  10.12 Electromagnetic compatibility. The specifications for the switchgear must be observed.  10.19 Mechanical function  10.10 Mechanical function  10.10 Mechanical function  10.10 Mechanical function  10.10 Mechanical function  10.11 Mechanical function  10.12 Mechanical function  10.13 Mechanical function  10.14 Mechanical function  10.15 Mechanical function  10.15 Mechanical function  10.16 Mechanical function  10.17 Mechanical function  10.18 Mechanical function  10.19 Mechanical function  10.10 Mechanical function  10.	·	
observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  Current limiting class  Features  Special features  Suitable for  Used with  Observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  Additional equipment possible  Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity  Flush-mounted installation  HL	10.10 Temperature rise	
observed.  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  Current limiting class  Features  Special features  Special features  Suitable for  Used with  observed.  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  Additional equipment possible  Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity  Flush-mounted installation  HL	10.11 Short-circuit rating	
leaflet (IL) is observed.   Current limiting class   3     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   HL	10.12 Electromagnetic compatibility	, , ,
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 HL	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 HL		
Special features  Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity  Suitable for  Used with  HL  HL	Current limiting class	3
Suitable for Flush-mounted installation Used with HL	Features	Additional equipment possible
Used with HL	Special features	
	Suitable for	Flush-mounted installation
	Used with	

## **Technical data ETIM 8.0**

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) (eci@ss10.0.1-27-14-19-01 [AAB905014])

mm	44
	В
	1
	1
Α	16
V	230
V	440
kV	4
kA	4.5
	AC
kA	4.5
kA	0
kA	0
Hz	50 - 60
	3
	Yes
	mm  A V V kV kA  kA kA kA

Concurrently switching neutral conductor		No
Over voltage category		3
Pollution degree		3
Additional equipment possible		Yes
Width in number of modular spacings		1
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25
Explosion-proof		No