

## Miniature circuit breaker (MCB), 20 A, 1p, characteristic: C

**Part no.**                    **EMCH120**  
**EMCH120**

Product name	Eaton Moeller series xPole UK - EM.H MCB
Part no.	EMCH120
EAN	5019586121660
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	17.5 millimetre
Product weight	0.112 kilogram
Compliances	RoHS conform
Product Tradename	xPole UK - EM.H
Product Type	MCB
Product Sub Type	None
Countries	United Kingdom of Great Britain and Northern Ireland
Ambient operating temperature - max	55 °C
Ambient operating temperature - min	-25 °C
Amperage Rating	20 A
Application	Switchgear for residential and commercial applications
Built-in depth	70.5 mm
Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - min	1 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - min	1 mm <sup>2</sup>
Current limiting class	3
Degree of protection	IP20
Features	Additional equipment possible
Frequency rating - max	60 Hz
Frequency rating - min	50 Hz
Number of poles	Single-pole
Number of poles (protected)	1
Number of poles (total)	1
Overvoltage category	III
Pollution degree	2
Rated impulse withstand voltage (Uimp)	4 kV
Rated insulation voltage (Ui)	440 V
Rated operational voltage (Ue) - max	240 V
Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	10 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
Rated switching capacity (IEC/EN 60898-1)	10 kA
Rated switching capacity (IEC/EN 60947-2)	15 kA
Release characteristic	C
Suitable for	Flush-mounted installation
Tripping characteristic	C
Type	EM Miniature circuit breaker
Used with	Miniature circuit breaker EM
Voltage type	AC

## 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)  
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Built-in depth	mm	70.5
Release characteristic		C
Number of poles (total)		1
Number of protected poles		1
Rated current	A	20
Rated voltage	V	240
Rated insulation voltage $U_i$	V	440
Rated impulse withstand voltage $U_{imp}$	kV	4
Rated short-circuit breaking capacity $I_{cn}$ according to EN 60898 at 230 V	kA	10
Voltage type		AC
Rated short-circuit breaking capacity $I_{cn}$ according to EN 60898 at 400 V	kA	10
Rated short-circuit breaking capacity $I_{cu}$ according to IEC 60947-2 at 230 V	kA	0
Rated short-circuit breaking capacity $I_{cu}$ according to IEC 60947-2 at 400 V	kA	0
Frequency	Hz	50 - 60
Current limiting class		3
Flush-mounted installation		Yes
Concurrently switching neutral conductor		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 55
Connectable conductor cross section multi-wired	mm <sup>2</sup>	1 - 25
Connectable conductor cross section solid-core	mm <sup>2</sup>	1 - 25
Explosion-proof		No