DATASHEET - EMCH106

Miniature circuit breaker (MCB), 6 A, 1p, characteristic: C



Part no.	
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EMCH106 EMCH106

Product name	Eaton Moeller series xPole UK - EM.H MCB
Part no.	EMCH106
EAN	5019586121615
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	17.5 millimetre
Product weight	0.11 kilogram
Compliances	RoHS conform
Product Tradename	xPole UK - EM.H
Product Type	мсв
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	6 A
Application	Switchgear for residential and commercial applications
Built-in depth	70.5 mm
Connectable conductor cross section (multi-wired) - max	25 mm ²
Connectable conductor cross section (multi-wired) - min	1 mm ²
Connectable conductor cross section (solid-core) - max	25 mm ²
Connectable conductor cross section (solid-core) - min	1 mm ²
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	
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
Туре	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)

Buil-in depth Image: Marche State Marker of poles (total) C Number of poles (total) I I Number of protected poles I I Rated current I I Rated current I I Rated insulation voltage Uimp I I Rated insulation voltage Uimp I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I I Rated short-circuit breaking capacity (or according to EN 60898 at 230 V) I I I Rated short-circuit breaking capacity (or according to IEC 60947-2 at 230 V) I I I Corrent Uming rates I I I I Courerut du installation <th></th> <th></th> <th></th> <th></th>				
Release duracteristic Image: Constraint of the second of the	Electric engineering, automation, process control engineering / Electrical installati (ecl@ss10.0.1-27-14-19-01 [AAB905014])	on, device / Miniatu	ure circ	uit breaker system (MCB) / Miniature circuit breaker (MCB)
Number of poles (total) Image: state of the	Built-in depth	mn	m	70.5
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Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60998 at 400 V kA 0 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 200 V KA 0 Frequency Ed KA 0 Current limiting class Fequency So 60 Concurrently switching neutral conductor ICU KA So Over voltage category ICU So So Pollution degree ICU So So Additional equipment possible ICU So So Moint emperature during operating ICU So So Anbient emperature during operating ICU So So Concectable conductor cross section solid-core Imm ^{and} Intercompart	Rated impulse withstand voltage Uimp	kV	'	4
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Frequency Hz 5-60 Current limiting class 3 Flush-mounted installation S S Concurrently switching neutral conductor S So Over voltage category S So Pollution degree S So Additional equipment possible S So Width in number of modular spacings S So Pollution degree Ambient during operating So So Additional equipment possible So So Notent temperature during operating So So Anbient temperature during spacings So So Connectable conductor cross section solid-core ma ^m 2 125	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	kA	۱	0
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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) Pol Ambient temperature during operating Connectable conductor cross section multi-wired mm ² 125 Connectable conductor cross section solid-core mm ² 125	Current limiting class			3
Over voltage category 3 Pollution degree 2 Additional equipment possible Yes Width in number of modular spacings I Degree of protection (IP) PO Ambient temperature during operating C 25 Connectable conductor cross section multi-wired mm ² 125	Flush-mounted installation			Yes
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Additional equipment possible Yes Width in number of modular spacings 1 Degree of protection (IP) °C 25 - 55 Ambient temperature during operating mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Over voltage category			3
Width in number of modular spacings 1 Degree of protection (IP) IP20 Ambient temperature during operating °C -25 - 55 Connectable conductor cross section solid-core mm² 1 - 25 Imm² 1 - 25 -25	Pollution degree			2
Degree of protection (IP) P20 Ambient temperature during operating °C 25 - 55 Connectable conductor cross section solid-core mm² 1 - 25 Imm² 1 - 25	Additional equipment possible			Yes
Ambient temperature during operating °C -25 - 55 Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Width in number of modular spacings			1
Connectable conductor cross section multi-wired mm ² 1 - 25 Connectable conductor cross section solid-core mm ² 1 - 25	Degree of protection (IP)			IP20
Connectable conductor cross section solid-core mm ² 1 - 25	Ambient temperature during operating	°C		-25 - 55
	Connectable conductor cross section multi-wired	mn	m²	1 - 25
Explosion-proof No	Connectable conductor cross section solid-core	mn	m²	1 - 25
	Explosion-proof			No

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