DATASHEET - EMDH120

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

Part no. **EMDH120**
EMDH120

Product name	Eaton Moeller series xPole UK - EM.H MCB
Part no.	EMDH120
EAN	5019586121806
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	17.5 millimetre
Product weight	0.123 kilogram
Compliances	RoHS conform
Product Tradename	xPole UK - EM.H
Product Type	MCB
Product Sub Type	None
Ambient operating temperature - max	75 °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^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	III
Pollution degree	2
Rated impulse withstand voltage (Uimp)	4 kV
Rated insulation voltage (Ui)	440 V
Rated operational voltage (Ue) - max	230 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	15 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	15 kA
Rated switching capacity (IEC/EN 60898-1)	10 kA
Rated switching capacity (IEC/EN 60947-2)	15 kA
Release characteristic	D
Tripping characteristic	D
Type	EM Miniature circuit breaker
Used with	EM Miniature circuit breaker
Voltage type	AC
Width in number of modular spacings	1

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

Built-in depth		mm	70.5
Release characteristic			D
Number of poles (total)			1
Number of protected poles			1
Rated current		A	20
Rated voltage		V	230
Rated insulation voltage Ui		V	440
Rated impulse withstand voltage Uimp		kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V		kA	10
Voltage type			AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V		kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V		kA	15
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V		kA	15
Frequency		Hz	50 - 60
Current limiting class			3
Flush-mounted installation			No
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 - 75
Connectable conductor cross section multi-wired		mm^2	1 - 25
Connectable conductor cross section solid-core		mm^2	1 - 25
Explosion-proof			No

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