Miniature circuit breaker (MCB), 80A, 1p, C-Char



Part no. **AZ-C80** 211799 1601084

EL Number

(Norway)

(Norway)	
General specifications	
Product name	Eaton Moeller series xEffect - AZ MCB
Part no.	AZ-C80
EAN	4015082117993
Product Length/Depth	90 millimetre
Product height	75 millimetre
Product width	27 millimetre
Product weight	0.224 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947-2 IEC 61373 EN45545-2
Product Tradename	xEffect - AZ MCB
Product Type	MCB
Product Sub Type	None
Delivery program	
Application	Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Single-pole Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	С
Release characteristic	C
Amperage Rating	80 A
Туре	AZ Miniature circuit breaker
Technical Data - Electrical	
Voltage type	AC
Voltage rating	230 V AC / 400 V AC
Voltage rating at DC	60 V DC (per pole)
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 60947-2)	20 kA
Operational switching capacity	20 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	0 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	20 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	20 kA
Admissible back-up fuse - max	200 A gL/gG
Selectivity class	3
Lifespan, electrical	10000 operations
Overvoltage category	III
Pollution degree	2
Direction of incoming supply Technical Data - Mechanical	As required
Frame	45 mm

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Used with Miniature circuit breaker	Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of
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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

Electric engineering, automation, process control engineering / Electrical installation, [AAB905019])	device / Miniature ci	rcuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01
Built-in depth	mm	75
Release characteristic		С
Number of poles (total)		1
Number of protected poles		1
Rated current	Α	80
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	0
Voltage type		AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	20
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	20
Frequency	Hz	50 - 60
Power loss	W	
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		1.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 55
Connectable conductor cross section multi-wired	mm²	2.5 - 50
Connectable conductor cross section solid-core	mm²	2.5 - 50
Explosion-proof		No