DATASHEET - AZ-2-C32

Miniature circuit breaker (MCB), 32A, 2p, C-Char



Part no.	AZ-2-C32
	211780
EL Number	1601044
(Norway)	

(INULVVAY)	
General specifications	
Product name	Eaton Moeller series xEffect - AZ MCB
Part no.	AZ-2-C32
EAN	4015082117801
Product Length/Depth	90 millimetre
Product height	75 millimetre
Product width	54 millimetre
Product weight	0.453 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947-2 IEC 61373 EN45545-2
Product Tradename	xEffect - AZ MCB
Product Type	МСВ
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	Two-pole
Number of poles (total)	2
Number of poles (protected)	2
Tripping characteristic	С
Release characteristic	С
Amperage Rating	32 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	400 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)	25 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	25 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	25 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	As required
Technical Data - Mechanical	
Frame	45 mm

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Enclosure width	90 mm
Width in number of modular spacings	3
Built-in depth	75 mm
Mounting width per pole	27 mm
Mounting width	27 mm
Mounting Method	Top-hat rail IEC/EN 60715
Degree of protection	IP20 IP40 (when fitted)
Terminals (top and bottom)	Lift terminals
Connectable conductor cross section (solid-core) - min	2.5 mm ²
Connectable conductor cross section (solid-core) - max	50 mm ²
Connectable conductor cross section (multi-wired) - min	2.5 mm ²
Connectable conductor cross section (multi-wired) - max	50 mm ²
Terminal capacity (control cable)	2.5 mm ² - 50 mm ²
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	32 A
Heat dissipation per pole, current-dependent	0 W
	7.58 W
Equipment heat dissipation, current-dependent	
Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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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 [AAB905019])

Release duracteristic Image: Construction Construction Number of protected poles 2 Number of protected poles Construction Construction Rated current Construction Construction Rated current Construction Construction Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Rated short-circuit breaking capacity (an according to EN 60898 at 200 V) KA Gondentification Courrent limiting class KA Gondentification Gondentification Courrent limiting class KA Gondentification Go	[AAD303013])		
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Rated impulse withstand voltage Uimp IV I Rated short-circuit breaking capacity Icn according to EN 60898 at 200 V KA 0 Nated short-circuit breaking capacity Icn according to EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn according to EC 60947-2 at 200 V KA 0 Rated short-circuit breaking capacity Icn according to EC 60947-2 at 400 V KA 0 Frequency KA 0 0 Power Ioss KA 0 0 Current limiting class KA 0 0 Fuel-mounted installation KA No 0 Over voltage category KA No 0 Pollution degree KA S 0 Additional equipment possible KA No 0 With in number of modular spacings KA S 0 Degree of protection (IP) KA S S Anbient temperature during operating multi-wired S S S <td>Rated voltage</td> <td>V</td> <td>400</td>	Rated voltage	V	400
Rated short-circuit breaking capacity lon according to EN 60898 at 230 V KA 0 Voltage type Ac Rated short-circuit breaking capacity lon according to EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity lon according to EN 60898 at 400 V KA 5 Rated short-circuit breaking capacity lon according to IEC 60947-2 at 230 V KA 5 Prequency KA 50 60 Power loss V V 7 Current limiting class V V 7 Power loss detegory V No No Pollution degree V V No Additional equipment possible V V V With in number of modular spacings V V No Degree of protection (IP) V V V No Anbient temperature during operating V No No No Degree of protection (IP) V V No No No Anbient temperature during operating V No No	Rated insulation voltage Ui	V	440
Vitage type AC Rated short-circuit breaking capacity Icu according to EK 60987 at 400 V KA 5 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V KA 25 Frequency Hz 5-0 Power loss V V Current limiting class V S Flush-mounted installation V S Power loss category V No Pollution degree V S Additional equipment possible V V With in number of modular spacings V V Degree of protection (IP) C V2 Anbient temperature during operating °C 25-55 Concurctors section solid-core ma* 25-50	Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icu according to EK 60987 + 2 at 230 V KA 9 Rated short-circuit breaking capacity Icu according to IEC 60947 - 2 at 230 V KA 25 Rated short-circuit breaking capacity Icu according to IEC 60947 - 2 at 230 V KA 26 Frequency KA 26 Power Ioss V 50 Current limiting class V 3 Flush-mounted installation V 3 Concurrently switching neutral conductor V No Over voltage category V No Pollution degree V S Additional equipment possible V S Degree of protection (IP) V V Ambient temperature during operating C 20 Anbient temperature during operating C 20 Concurcetable conductor cross section solid-core mm ² 20	Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	0
Rated short-circuit breaking capacity lcu according to IEC 60947-2 at 230 V KA 2 Rated short-circuit breaking capacity lcu according to IEC 60947-2 at 400 V 50 60 Frequency KA 2 50 Power loss V V V Current limiting class V 5 5 Flush-mounted installation V V No 5 Our voltage category V No 5 5 Pollution degree V S 3 5 5 Additional equipment possible V V S 5<	Voltage type		AC
Rated short-circuit breaking capacity lcu according to IEC 60947-2 at 400 V KA 5 Frequency KA 5 Power loss V V Current limiting class V S Fush-mounted installation V No Concurrently switching neutral conductor M No Over voltage category V S Pollution degree V V Additional equipment possible M Y Width in number of modular spacings M Y Degree of protection (IP) Y Y Ambient temperature during operating C Y Connectable conductor cross section solid-core M Q Solonetable conductor cross section solid-core ma* 25-50	Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	0
Frequency Hz 50-60 Power loss W W Current limiting class M S Fush-mounted installation M M Concurrently switching neutral conductor M M Over voltage category M M Pollution degree M S Addtional equipment possible M Y Degree of protection (IP) M M Ambient temperature during operating C S Connectable conductor cross section multi-wired M M Connectable conductor cross section solid-core ma ² S	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	25
Power loss W Current limiting class S 3 Flush-mounted installation No No Concurrently switching neutral conductor No No Over voltage category S 3 Pollution degree S S Additional equipment possible S Yes Degree of protection (IP) S S Anbient temperature during operating C S Connectable conductor cross section solid-core ma ² S	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	25
Current limiting class 3 Fush-mounted installation No Concurrently switching neutral conductor Mo Over voltage category Mo Pollution degree S Additional equipment possible Mo Width in number of modular spacings Mo Degree of protection (IP) Mo Ambient temperature during operating °C Connectable conductor cross section multi-wired mm ² So So Minerature during solidi-core mm ² So So	Frequency	Hz	50 - 60
Flush-mounted installation No Concurrently switching neutral conductor No Over voltage category No Pollution degree 3 Additional equipment possible Yes Witth in number of modular spacings Immediate Adbient temperature during operating Immediate Connectable conductor cross section solid-core Immediate Solid Immediate Solid Solid	Power loss	W	
Concurrently switching neutral conductorPoile </td <td>Current limiting class</td> <td></td> <td>3</td>	Current limiting class		3
Over voltage categorySSPollution degreeCSAdditional equipment possibleCVesWidth in number of modular spacingsCSDegree of protection (IP)CVesAmbient temperature during operatingCSConnectable conductor cross section multi-wiredmm²S-50Connectable conductor cross section solid-coremm²S-50	Flush-mounted installation		No
Pollution degree2Additional equipment possibleMesWidth in number of modular spacingsMesDegree of protection (IP)MesAmbient temperature during operatingMesConnectable conductor cross section multi-wiredmm²Schoperature during spacingsmm²	Concurrently switching neutral conductor		No
Additional equipment possibleYesWidth in number of modular spacingsI3Degree of protection (IP)IIP20Ambient temperature during operatingC-25 - 55Connectable conductor cross section multi-wiredImm²2.5 - 50Connectable conductor cross section solid-coreImm²2.5 - 50	Over voltage category		3
Width in number of modular spacingsImage: Space of protection (IP)3Degree of protection (IP)Image: P20Ambient temperature during operating°CConnectable conductor cross section multi-wiredmm²Connectable conductor cross section solid-coremm²Space of mage: P20Marce of mage: P20 <td>Pollution degree</td> <td></td> <td>2</td>	Pollution degree		2
Degree of protection (IP) IP20 Ambient temperature during operating °C -25 - 55 Connectable conductor cross section solid-core mm² 2.5 - 50	Additional equipment possible		Yes
Ambient temperature during operating°C-25 - 55Connectable conductor cross section multi-wiredmm²2.5 - 50Connectable conductor cross section solid-coremm²2.5 - 50	Width in number of modular spacings		3
Connectable conductor cross section multi-wired mm² 2.5 - 50 Connectable conductor cross section solid-core mm² 2.5 - 50	Degree of protection (IP)		IP20
Connectable conductor cross section solid-core mm ² 2.5 - 50	Ambient temperature during operating	°C	-25 - 55
	Connectable conductor cross section multi-wired	mm²	2.5 - 50
Explosion-proof No	Connectable conductor cross section solid-core	mm²	2.5 - 50
	Explosion-proof		No