Miniature circuit breaker (MCB), 100A, 2p, C-Char



Part no. AZ-2-C100 Catalog No. 211805 Alternate Catalog AZ-2-C100 No.

Similar to illustration

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			С
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	100
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	20
Product range			AZ

Technical data Electrical

Terminal protection Terminal capacities

Standards			EN 45545-2; IEC 61373
Rated operational voltage	U _e	V	
	U _e	V AC	230/400
		V DC	60 (per pole)
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	20
Operational switching capacity		kA	20
Characteristic			Similar: D, C
Max. back-up fuse		A gL/gG	200
Selectivity Class			Compliant with Class 3
lifespan			
Lifespan	Operations		> 10000
			7 10000
Direction of incoming supply	.,		as required
Direction of incoming supply		mm	
Direction of incoming supply Mechanical		mm mm	as required
Direction of incoming supply Mechanical Standard front dimension			as required 45
Direction of incoming supply Mechanical Standard front dimension Enclosure height		mm	as required 45 90
Direction of incoming supply Mechanical Standard front dimension Enclosure height Mounting width per pole		mm	as required 45 90 27

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	100
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	18.3
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity

mm²

 mm^2

2.5 ... 50

Finger and back-of-hand proof to BGV A2

ds to be evaluated.
ds to be evaluated.
ds to be evaluated.
ds to be evaluated.
ds to be evaluated.
ture rise calculation. Eaton wi
ations for the switchgear mus
ations for the switchgear mus
e information in the instruction
11

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])

(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Built-in depth	mm	75
Release characteristic		С
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	100
Rated voltage	V	400
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
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		3
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