

Miniature circuit breaker (MCB), 32 A, 4p, characteristic: B



Part no. FAZ-B32/4
Catalog No. 279038
Alternate Catalog No. FAZ-B32/4
EL-Nummer (Norway) 1695136

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			4 pole
Tripping characteristic			B
Application			Switchgear for industrial and advanced commercial applications
Rated current	I_n	A	32
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15
Product range			FAZ

Technical data

Electrical

Standards			EN 45545-2; IEC 61373
Rated operational voltage	U_e	V	
	U_e	V AC	240/415
		V DC	60 (per pole)
Rated voltage according to UL	U_n	V AC	480Y/277
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15
Breaking capacity according to UL		kA	10 (UL1077)
Max operational voltage according to IEC/EN 60947-2		V AC	440
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	I_{cu}	kA	10
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)	I_{cs}		7,5 kA
Rated voltage according to IEC/EN 60898-1	U_n	V AC	415
Rated switching capacity according to IEC/EN 60898-1	I_{cn}	kA	10
Rated service short-circuit breaking capacity according to IEC/EN 60898-1	I_{cs}		7,5 kA
Operational switching capacity		kA	7.5
Characteristic			B, C, D, K, S, Z
Max. back-up fuse		A gL/gG	125
Selectivity Class			3
lifespan			
Lifespan	Operations		> 10000
Direction of incoming supply			as required

Mechanical

Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger and back-of-hand proof to BGV A2
Terminal capacities		mm ²	
		mm ²	1 x 25
		mm ²	2 x 10

Thickness of busbar material	mm	0.8 ... 2
Mounting position		As required

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	32
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	14.8
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	75
linear, per +1 °C, results in a 0.5% reduction of current carrying capacity			

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) (ec1@ss10.0.1-27-14-19-01 [AAB905014])			
Built-in depth	mm		70.5
Release characteristic			B
Number of poles (total)			4
Number of protected poles			4
Rated current	A		32
Rated voltage	V		400
Rated insulation voltage U_i	V		440
Rated impulse withstand voltage U_{imp}	kV		4
Rated short-circuit breaking capacity I_{cn} according to EN 60898 at 230 V	kA		10
Voltage type			AC
Rated short-circuit breaking capacity I_{cn} according to EN 60898 at 400 V	kA		10
Rated short-circuit breaking capacity I_{cu} according to IEC 60947-2 at 230 V	kA		15
Rated short-circuit breaking capacity I_{cu} 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			Yes
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			4
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