



Miniature circuit breaker (MCB), 50 A, 1p+N, type K characteristic

Part no. FAZ-K50/1N
Catalog No. 278717
Alternate Catalog No. FAZ-K50/1N
EL-Nummer (Norway) 1666800

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole+N
Tripping characteristic			K
Application			Switchgear for industrial and advanced commercial applications
Rated current	I_n	A	50
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15
Product range			FAZ

Technical data

Electrical

Rated operational voltage	U_e	V	
	U_e	V AC	
Rated operating voltage	U_e	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	50
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	7.8
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 7.0

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])			
Release characteristic			K
Number of poles (total)			2
Number of protected poles			1
Rated current		A	50
Rated voltage		V	230
Rated insulation voltage U_i		V	440
Rated impulse withstand voltage U_{imp}		kV	4
Rated short-circuit breaking capacity I_{cn} EN 60898 at 230 V		kA	0
Rated short-circuit breaking capacity I_{cn} EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 230 V		kA	15
Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 400 V		kA	15
Voltage type			AC
Frequency		Hz	50 - 60
Current limiting class			3

Suitable for flush-mounted installation		No
Concurrently switching N-neutral		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		2
Built-in depth	mm	70.5
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

Additional product information (links)

Temperature dependency, derating	https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf
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