



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

Part no. **FAZ-K50/1N**
 Catalog No. **278717**
 Eaton Catalog No. **FAZ-K50/1N**

Similar to illustration

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)
 (ecI@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