

Miniature circuit breaker (MCB), 16 A, 1p, characteristic: K



Part no.	FAZ-K16/1
Catalog No.	278599
Alternate Catalog No.	FAZ-K16/1
EL-Nummer	1695316
(Norway)	

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			K
Application			Switchgear for industrial and advanced commercial applications
Rated current	I_n	A	16
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	10
Product range			FAZ

Technical data

Electrical

Standards			IEC/EN 60947-2 IEC/EN 60898
Rated operational voltage	U_e	V	
	U_e	V AC	240
		V DC	60 (per pole)
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	10
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	16
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	3

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) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

Built-in depth		mm	70.5
Release characteristic		K	
Number of poles (total)		1	
Number of protected poles		1	
Rated current	A	16	
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} according to EN 60898 at 230 V	kA	0	
Voltage type		AC	
Rated short-circuit breaking capacity I _{cn} according to EN 60898 at 400 V	kA	0	
Rated short-circuit breaking capacity I _{cu} according to IEC 60947-2 at 230 V	kA	10	
Rated short-circuit breaking capacity I _{cu} according to IEC 60947-2 at 400 V	kA	10	
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		1	
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	