

## Miniature circuit breaker (MCB), 25 A, 1p, characteristic: K



Part no.	FAZ-K25/1
Catalog No.	278601
Alternate Catalog No.	FAZ-K25/1
EL-Nummer	1695318
(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	25
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 <sup>2</sup>	
		mm <sup>2</sup>	1 x 25
		mm <sup>2</sup>	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	25
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	2.6

Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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	25
Rated voltage	V	230
Rated insulation voltage U <sub>i</sub>	V	440
Rated impulse withstand voltage U <sub>imp</sub>	kV	4
Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 230 V	kA	0
Voltage type	AC	
Rated short-circuit breaking capacity I <sub>cn</sub> according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity I <sub>cu</sub> according to IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity I <sub>cu</sub> 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 <sup>2</sup>	1 - 25
Connectable conductor cross section solid-core	mm <sup>2</sup>	1 - 25
Explosion-proof		No