



## Over current switch, 50A, 3Np, K-Char, AC

**Part no.** FAZ-K50/3N  
**Article no.** 279018  
**Catalog No.** FAZ-K50/3N

Similar to illustration

### Delivery program

Basic function			Miniature circuit breakers
Number of poles			3 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		kA	15
Product range			FAZ

### Technical data

#### Electrical

Standards			IEC/EN 60947-2 IEC/EN 60898
Rated operational voltage	$U_e$	V	
	$U_e$	V AC	230/400
		V DC	48 (per pole)
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Operational switching capacity		kA	7.5
Characteristic			B, C, D
Max. back-up fuse		A gL/gG	125
Selectivity Class			3
Lifespan	Operations		> 10000
Direction of incoming supply			as required

#### Mechanical

Standard front dimension		mm	45
Enclosure height		mm	80
Terminal protection			Finger and back-of-hand proof to BGV A2
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 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	50
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	15
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			

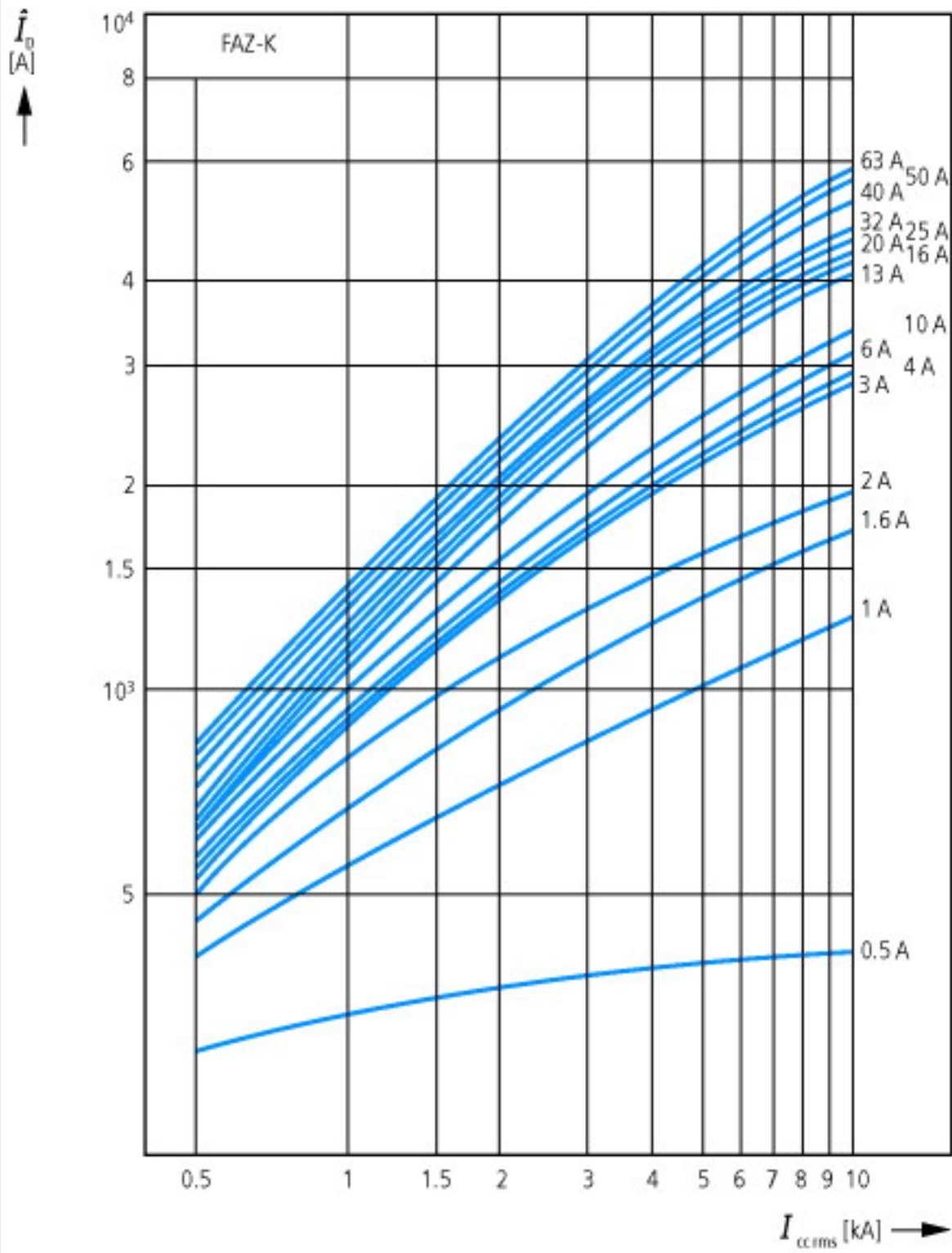
## Technical data ETIM 6.0

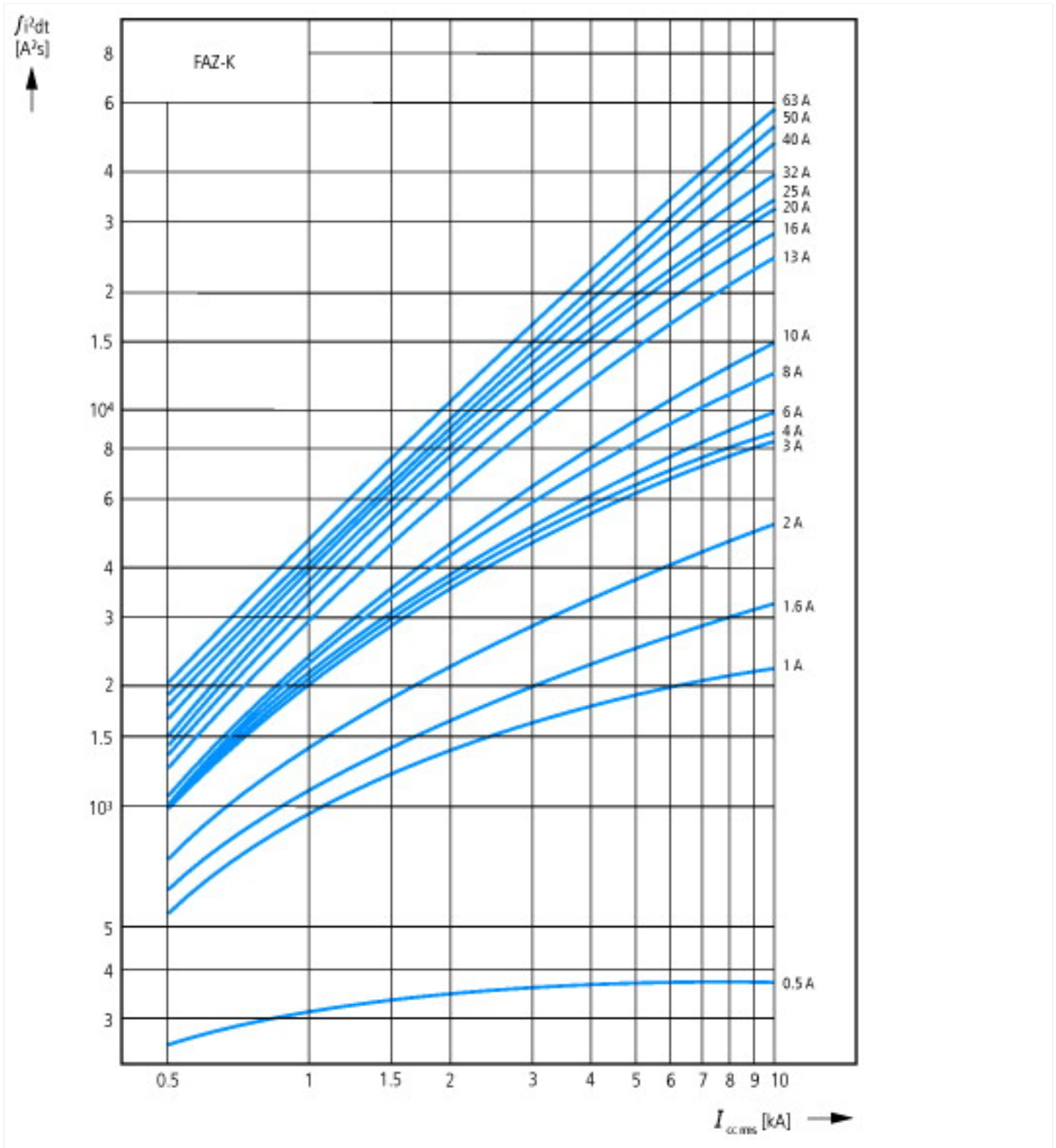
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)			
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecI@ss8.1-27-14-19-01 [AAB905011])			
Release characteristic			K
Number of poles (total)			4
Number of protected poles			4
Nominal rated current		A	50
Nominal rated voltage		V	400
Rated short-circuit breaking capacity I <sub>cn</sub> EN 60898 at 230 V		kA	0
Rated short-circuit breaking capacity I <sub>cn</sub> EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity I <sub>cu</sub> IEC 60947-2 at 230 V		kA	15
Rated short-circuit breaking capacity I <sub>cu</sub> IEC 60947-2 at 400 V		kA	15
Voltage type			AC
Current limiting class			3
Frequency		Hz	50 - 60
Concurrently switching N-neutral			Yes
Suitable for flush-mounted installation			No
Over voltage category			3
Pollution degree			2
Width in number of modular spacings			4
Built-in depth		mm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

# Characteristics



Let-through energy  $I^2t$   
According to IEC/EN 60898









Tripping characteristic at 30 °C:  
 K according to IEC/EN 60947

## Dimensions



## Additional product information (links)

AWA1220-1755 Circuit-breaker

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[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/17550701.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf)