



FAZ-B32/1N 278651 FAZ-B32/1N



Similar to illustration

Delivery programme

Basic function			Miniature circuit breakers
Number of poles			1 pole+N
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	32
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 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	In	А	32	
Heat dissipation per pole, current-dependent	P _{vid}	W	0	
Equipment heat dissipation, current-dependent	P _{vid}	W	4.4	
Static heat dissipation, non-current-dependent	P _{vs}	W	0	
Heat dissipation capacity	P _{diss}	W	0	
Operating ambient temperature min.		°C	-40	

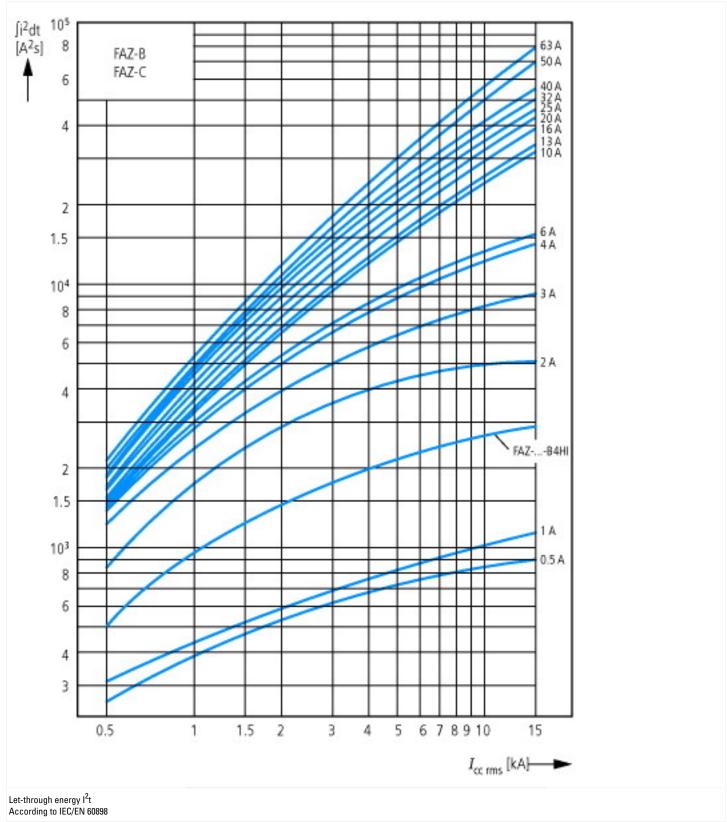
Operating ambient temperature max.	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
EC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

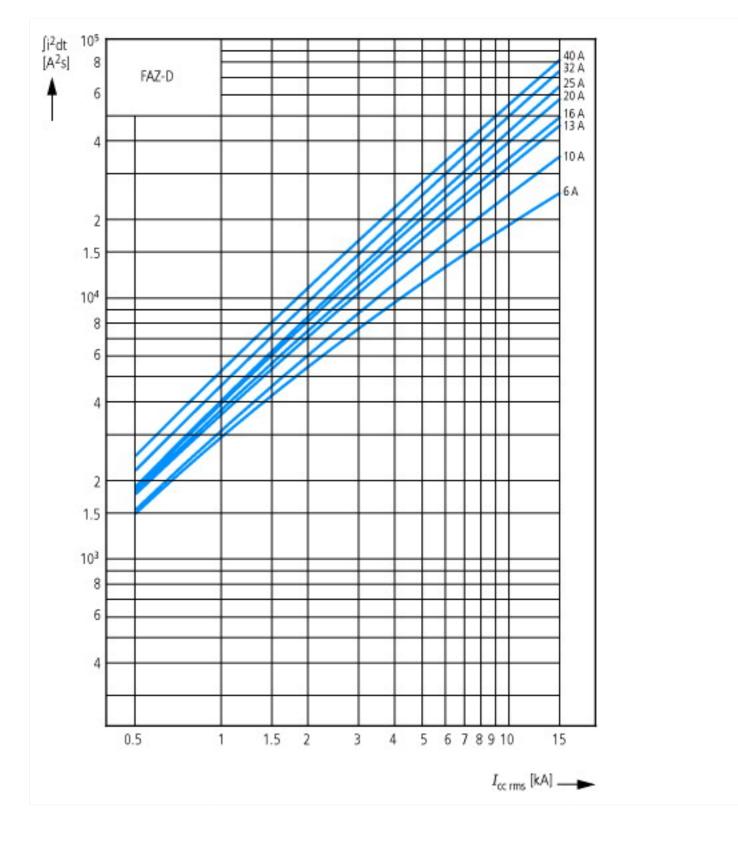
Technical data ETIM 6.0

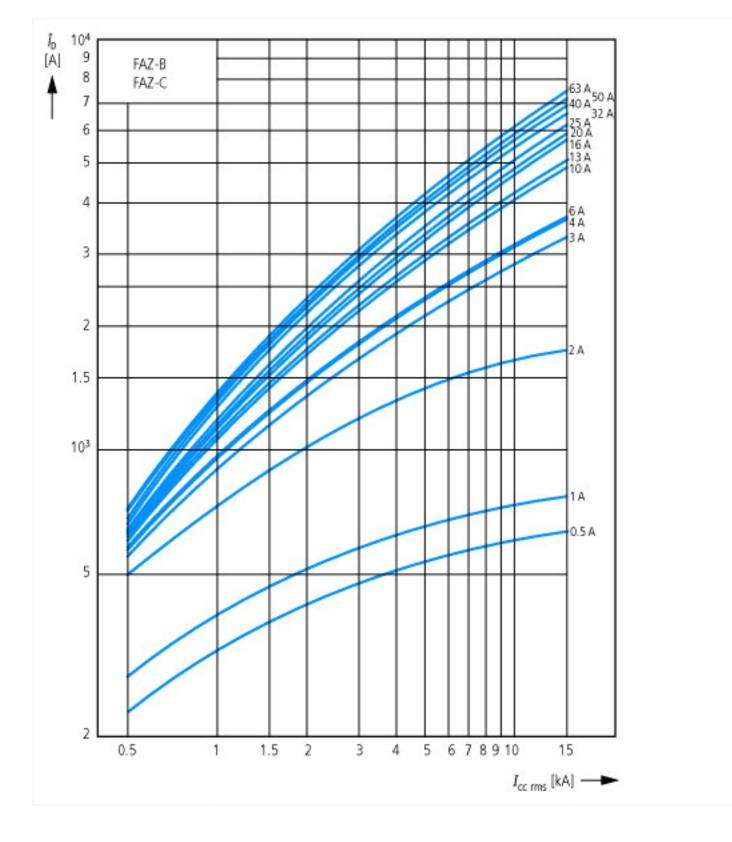
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

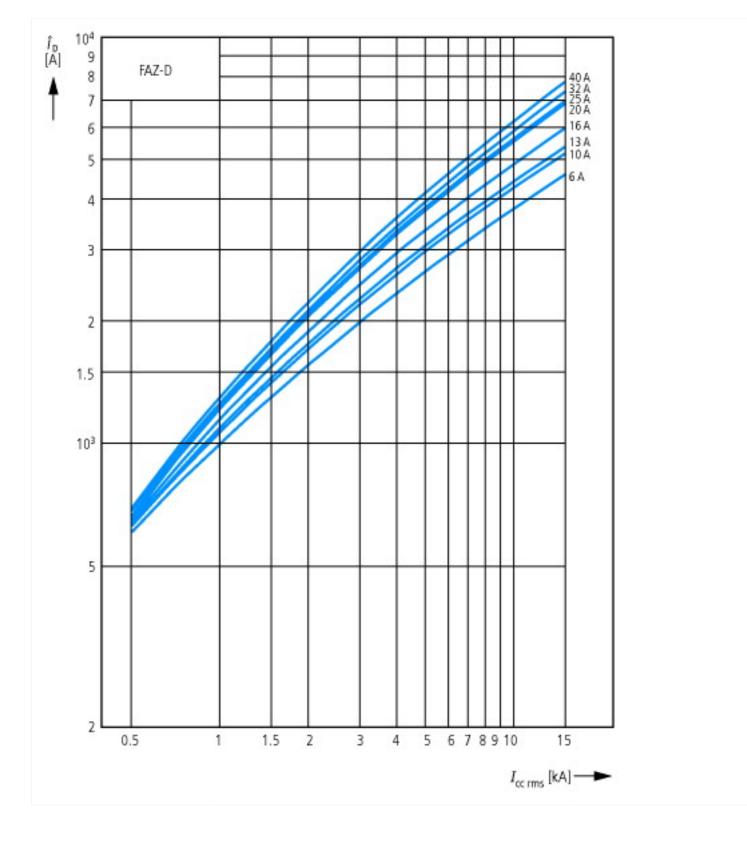
Electric angineering, automation, process control engineering / Electric al installatory device / Ministrue circuit breaker (MCB) (ed@ss8.1-27-14-19-0) Release characteristic P 8 Number of poles (total) 2 Number of poles (total) A 3 Number of protected poles V 3 Numinal rated vorteg V 3 Reds short-circuit breaking capacity Icn EN 60898 at 200 V V 3 Rated short-circuit breaking capacity Icn EC 60947-2 at 200 V KA 10 Notage type KA 5 10 Voltage type KA 5 10 Voltage type KA 5 10 Courrent limiting class KA 5 10 Frequency KA 5 10 Outrage totag unage totage category KA 5 10 Suite for flush-mounted installation KA 5 10 10 Outrage category KA 5 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10		-/			
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Rated short-circuit breaking capacity Icu IEC 60987 2 at 230 V KA 0 Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V KA 5 Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V KA 5 Voltage type AC Current limiting class 5 Frequency Frequency So 60 Feguency Suitable for flush-mounted installation Feguency No Over voltage category So 60 So 60 Pollution degree So 60 So 60 Width in number of modular spacings So 60 So 60 Built-in depth So 60 So 60 So 60 Voltage tategory So 60 So 60 So 60 So 70 So 70 So 70 So 70 Pollution degree So 70 So 70 So 70 So 70 So 70 So 70 So 70 So 70 <td>Nominal rated voltage</td> <td>١</td> <td>V</td> <td>230</td>	Nominal rated voltage	١	V	230	
Rated short-circuit breaking capacity lcu IEC 60947-2 at 230 V KA 15 Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 15 Votage type AC Current limiting class 3 Frequency Frequency 50-60 Frequency Suitable for flush-mounted installation Frequency Votage type No Over votage category Frequency Suitable for flush-mounted installation	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	kA	10	
Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 5 Voltage type C C Current limiting class S 3 Frequency Hz 50-60 Concurrently switching N-neutral M Yes Suitable for flush-mounted installation M No Over voltage category M S S Pollution degree M S S With in number of modular spacings M S S Built-in depth M M S S Additional equipment possible M M S S	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	kA	10	
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Current limiting class Image: Construct of the second of	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	kA	15	
Frequency Hz 50-60 Concurrently switching N-neutral Mail Fes Suitable for flush-mounted installation Mail Suitable for flush-mounted installation Over voltage category Mail Suitable for flush-mounted installation Pollution degree Mail Suitable for flush mounted installation Built-in depth Mail Suitable for flush-mounted installation Additional equipment possible Mail Suitable for flush-mounted installation	Voltage type			AC	
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Over voltage categoryMarkMarkMarkPollution degree22Width in number of modular spacingsmm70.5Additional equipment possibleMarkYes	Concurrently switching N-neutral			Yes	
Pollution degree 2 Width in number of modular spacings mm Built-in depth mm Additional equipment possible Mm	Suitable for flush-mounted installation			No	
Width in number of modular spacings 2 Built-in depth mm 70.5 Additional equipment possible Yes	Over voltage category			3	
Built-in depth mm 70.5 Additional equipment possible Ves	Pollution degree			2	
Additional equipment possible Yes	Width in number of modular spacings			2	
	Built-in depth	r	mm	70.5	
Degree of protection (IP) IP20	Additional equipment possible			Yes	
	Degree of protection (IP)			IP20	

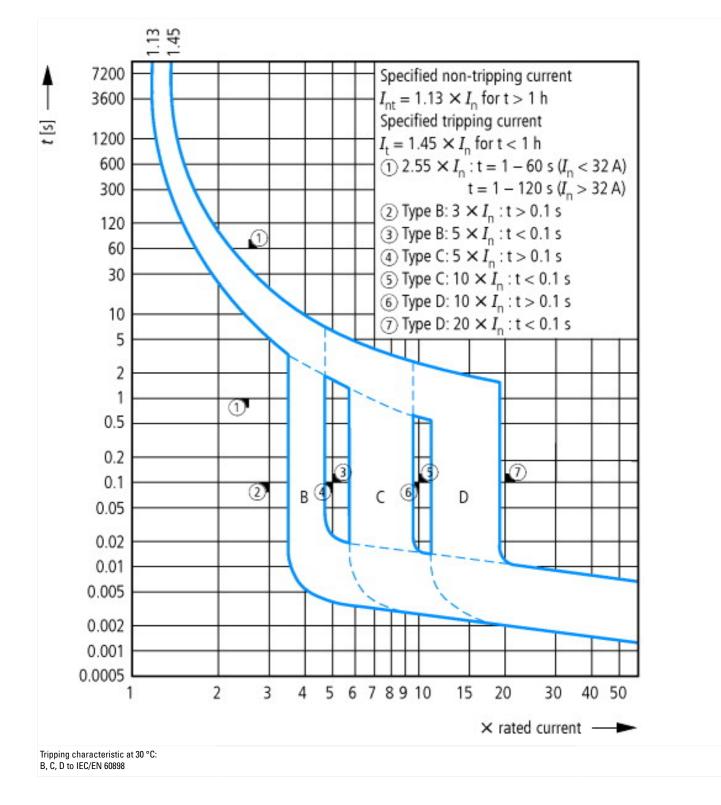




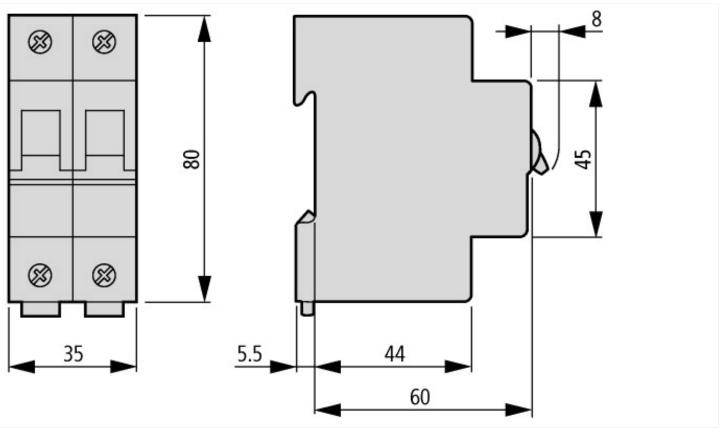








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker AWA1220-1755 Circiut-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf