



FAZ-B12/1N 278645 FAZ-B12/1N



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	12
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

		IEC/EN 60947-2 IEC/EN 60898
U _e	V	
U _e	V AC	230/400
	V DC	48 (per pole)
	kA	15
	kA	7.5
		B, C, D
	A gL/gG	125
		3
Operations		> 10000
		as required
	mm	45
	mm	80
		Finger and back-of-hand proof to BGV A2
	mm	17.5
		IEC/EN 60715 top-hat rail
		IP20, IP40 (when fitted)
		Twin-purpose terminals
	mm ²	
	mm ²	1 x 25
	mm ²	2 x 10
	mm	0.8 2
		As required
	Ue	Ue VAC VDC kA kA AgL/gG Operations mm Mm Mm Mm Mm Mm ² mm ²

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	12
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	3.2
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-40

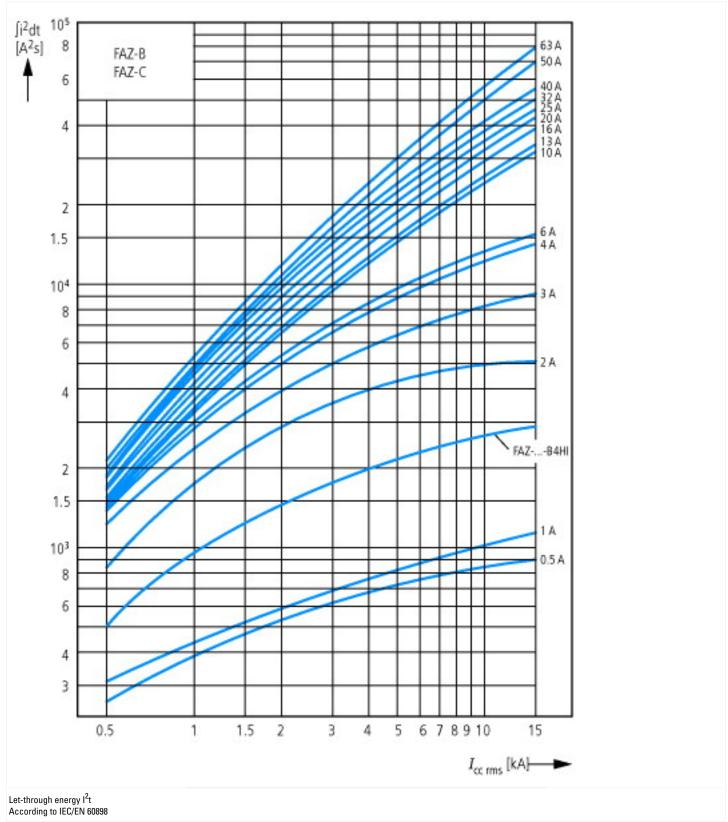
Operating ambient temperature max.	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
EC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability 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 be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

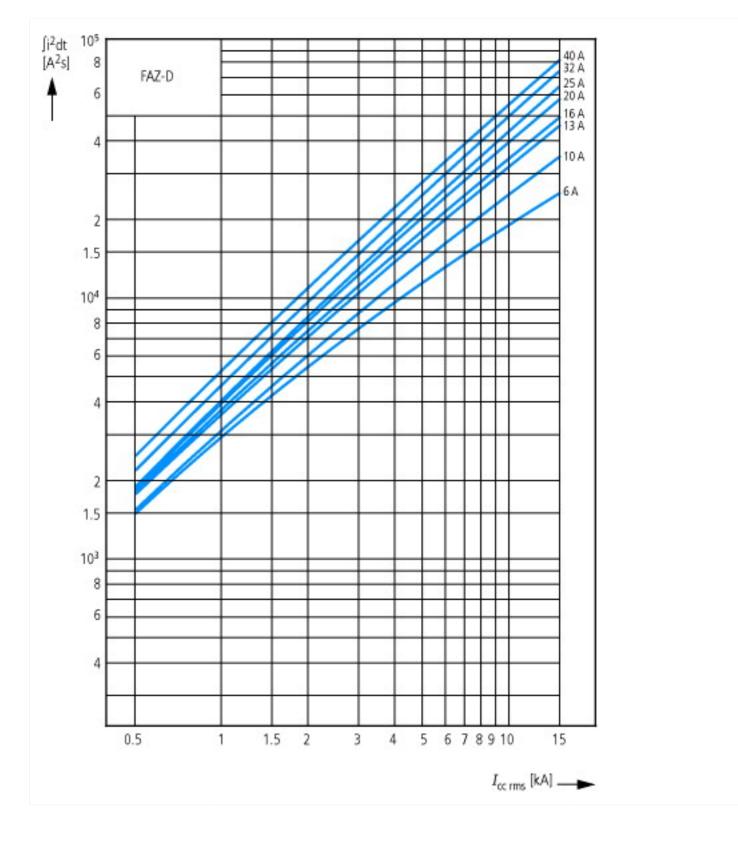
Technical data ETIM 6.0

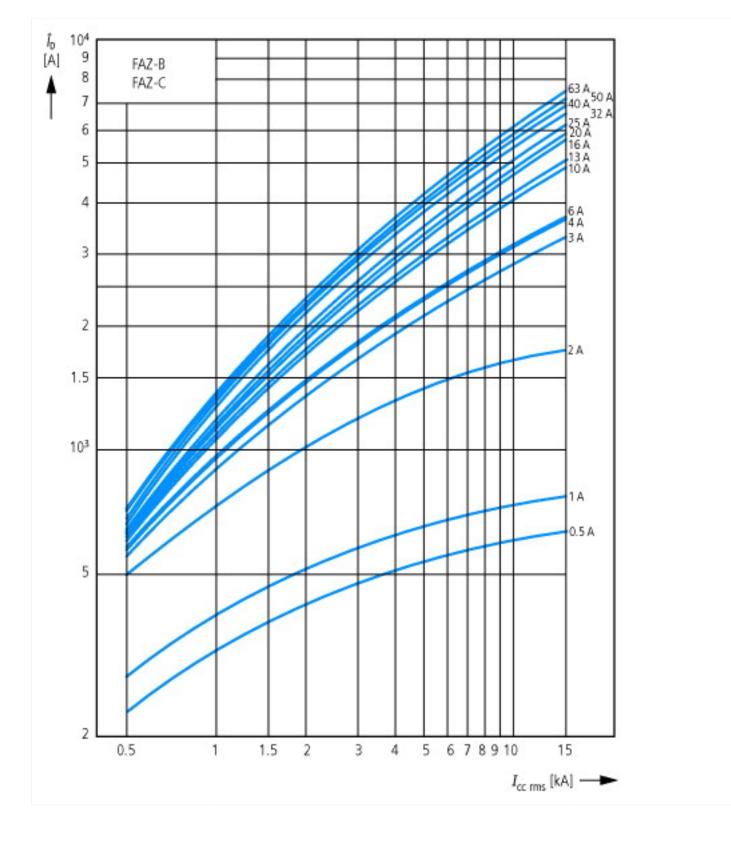
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

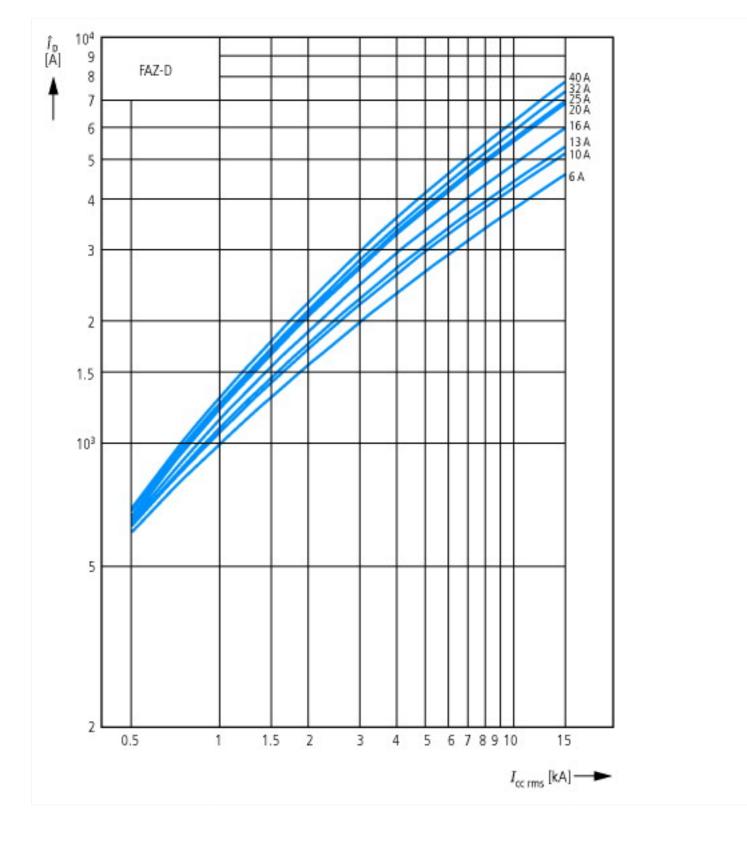
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])				
Release characteristic			В	
Number of poles (total)			2	
Number of protected poles			2	
Nominal rated current	1	A	12	
Nominal rated voltage	١	V	230	
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	ł	kA	10	
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	ł	kA	10	
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	ł	kA	15	
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	ł	kA	15	
Voltage type			AC	
Current limiting class			3	
Frequency	ł	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			2	
Built-in depth	I	mm	70.5	
Additional equipment possible			Yes	
Degree of protection (IP)			IP20	

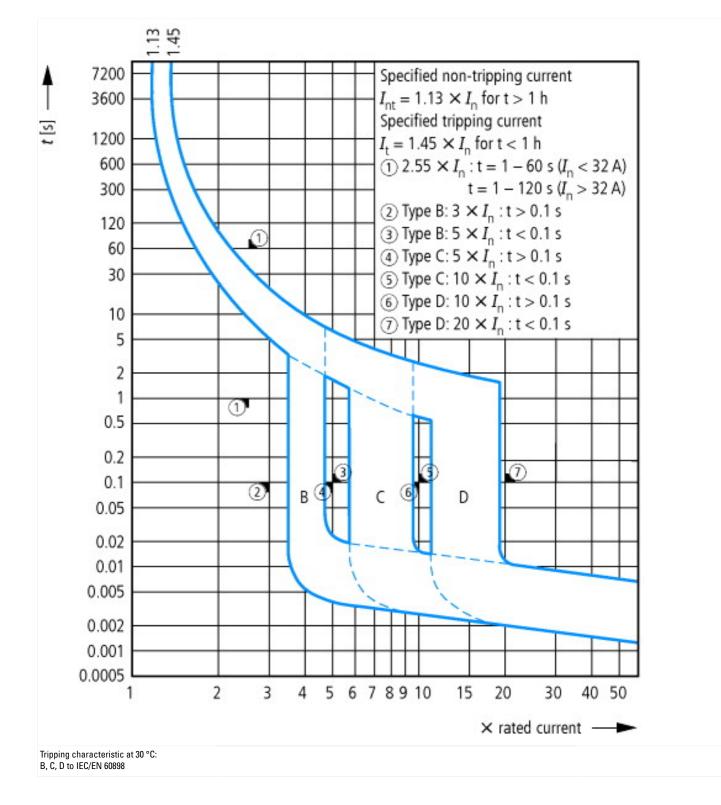




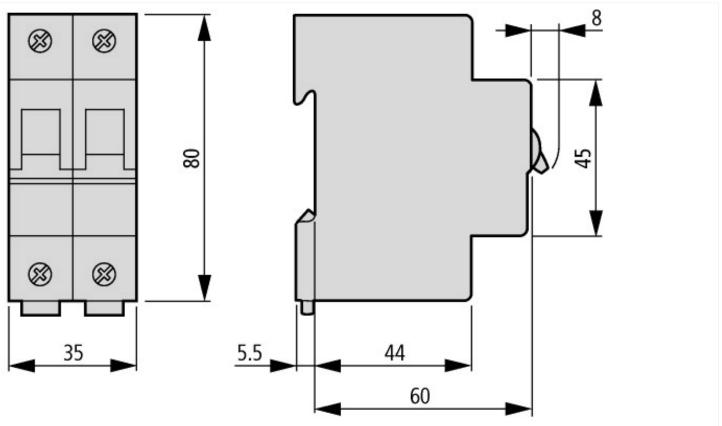








Dimensions



Additional product information (links)

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

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