



FAZ-D13/2 278781 FAZ-D13/2



Similar to illustration

Delivery programme

Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	13
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Kine of the second se	Electrical			
Image: space s	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Raded switching capacity acc. to IEC/EN 60947-2 K K K Operational switching capacity K K S Characteristic K K K State switching capacity K K K Max. back-up fuse K K K Selectivity Class Operational switching supply Y S S Direction of incoming supply Operational Y S S S Selectivity Class Y Y S		U _e	V AC	230/400
Appendix and set of the set			V DC	48 (per pole)
Characteristic Image: Provide State	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Aglya Aglya Indexemption Max back-up tase Aglya 125 Selectivity Class 0 1000 Lifespan Operations 1000 Direction of incoming supply 0 1000 Wechanical versions 1000 Monting Max back-of-hand proof to BGV A2 1000 Enclosure height mn 6 1000 Moutting width per pole mn 1000 calculated and proof to BGV A2 1000 Moutting For and back-of-hand proof to BGV A2 1000 1000 Degree of Protection mn 15 1000 1000 Terminal capacities company mn 1000 10	Operational switching capacity		kA	7.5
Selectivity Class Main Selectivity Class Selecitivity Class Selecitity Class Selecitity Class Selecit	Characteristic			B, C, D
Lifespan Operations > 1000 Direction of incoming supply > are quired Wechanical ser quired Standard front dimension Image Mon Enclosure height Image Mon Terminal protection Image Mon Mounting width per pole Image Image Mounting Image Image Degree of Protection Image Image Terminal capacities Image Image Image Image Image Im	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Vechanical srequired Standard front dimension mm 4 Enclosure height mm 80 Terminal protection mm finger and back-of-hand proof to BGV A2 Mounting width per pole mm 15. Mounting ECEN 60715 top-hat rail 100 Degree of Protection MM 120. IP40 (when fitted) Terminal capacities mm ² 100. IP40 (when fitted) Terminal capacities mm ² 120. IP40 (when fitted)	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 9	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFinger and back-of-hand proof to BGV A2Degree of ProtectionFinger and back-of-hand proof to BGV A2Terminals top and bottomFinger and back of the proof to BGV A2Terminal capacitiesmm²Ferminal capacitiesmm²Letter to the proofmm²Monting the proofmm²Manting the proofmm²Ma	Direction of incoming supply			as required
Enclosure height mm 80 Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Mounting Finder Auf Stop-hat rail Pole Pole Stop-hat rail Degree of Protection Finder Auf Stop-hat rail Pole Stop-hat rail Terminal stop and bottom Finder Auf Stop-hat rail Finder Auf Stop-hat rail Terminal capacities Finder Auf Stop-hat rail Finder Auf Stop-hat rail Terminal capacities Finder Auf Stop Auf Stop-hat rail Finder Auf Stop-hat rail Terminal capacities Finder Auf Stop Auf Stop-hat rail Finder Auf Stop Auf Stop-hat rail Terminal capacities Finder Auf Stop	Mechanical			
Terminal protectionImage	Standard front dimension		mm	45
Mounting width per pole mm 1.5 Mounting IC/EN 60715 top-hat rail Degree of Protection IC/EN 60715 top-hat rail Terminals top and bottom IC/EN 60715 top-hat rail Terminals copacities Imm Imm Imm	Enclosure height		mm	80
Mounting Image: Book of the second	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection P20, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Terminal capacities mm ² Imm ²	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Constraint of the second	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² mm ² 1x 25 mm ² 2x 10 Thickness of busbar material mm 08 2	Degree of Protection			IP20, IP40 (when fitted)
Image: market in the second	Terminals top and bottom			Twin-purpose terminals
Image: Second	Terminal capacities		mm ²	
Thickness of busbar material mm 0.8 2			mm ²	1 x 25
			mm ²	2 x 10
Mounting position As required	Thickness of busbar material		mm	0.8 2
	Mounting position			As required

Design verification as per IEC/EN 61439

echnical data for design verification			
Rated operational current for specified heat dissipation	In	А	13
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	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

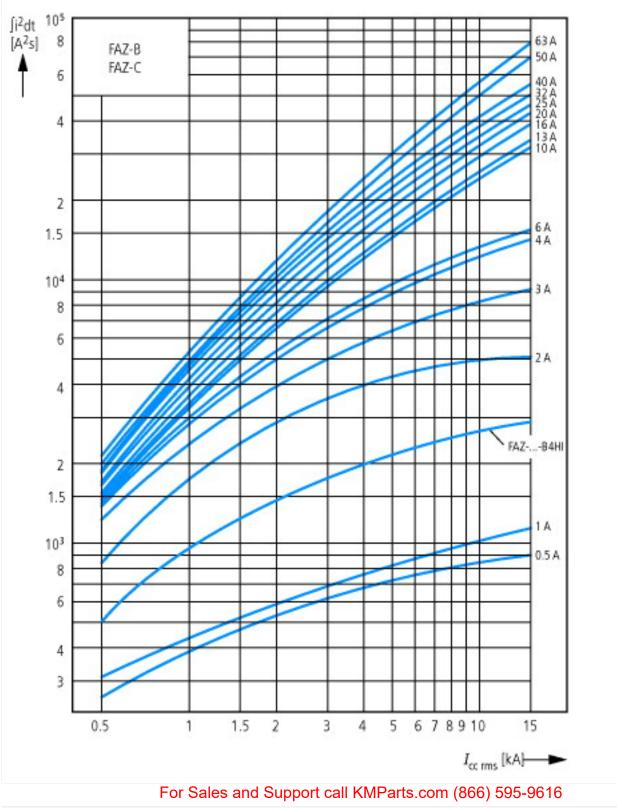
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

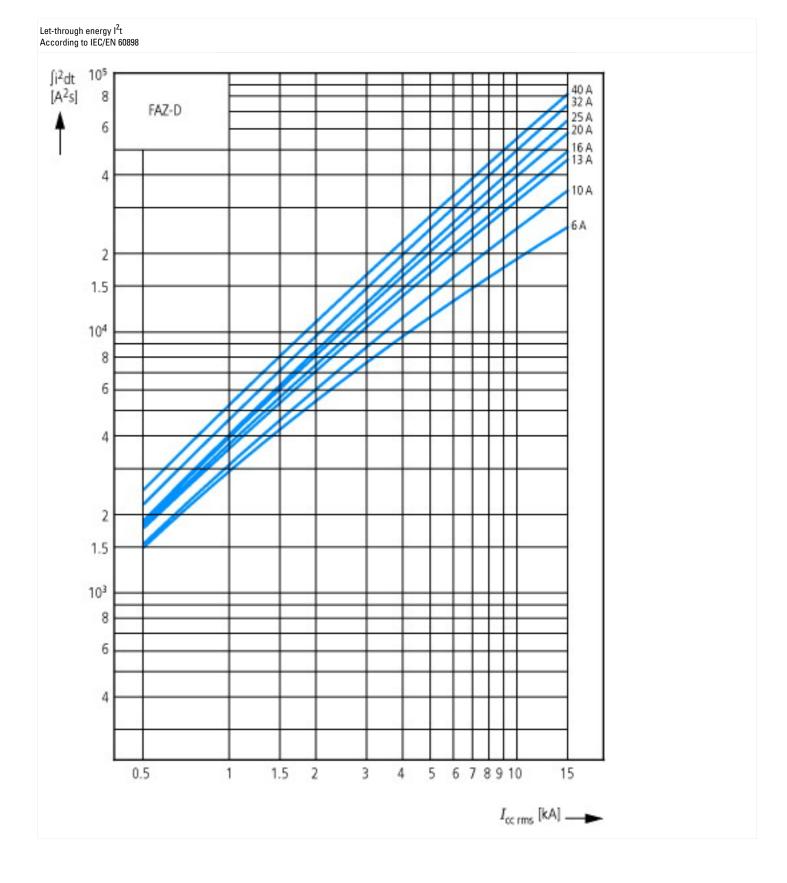
	-/		
Electric engineering, automation, process control engineering / Electrical installati [AAB905011])	ion, device / Minia	ature cir	cuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01
Release characteristic			D
Number of poles (total)			2
Number of protected poles			2
Nominal rated current	А	4	13
Nominal rated voltage	V	/	400
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	κA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	κA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	κA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	κA	15
Voltage type			AC
Current limiting class			3
Frequency	Н	Ηz	50 - 60
Concurrently switching N-neutral			No
Suitable for flush-mounted installation			No
Over voltage category			3
Pollution degree			2
Width in number of modular spacings			2
Built-in depth	n	nm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

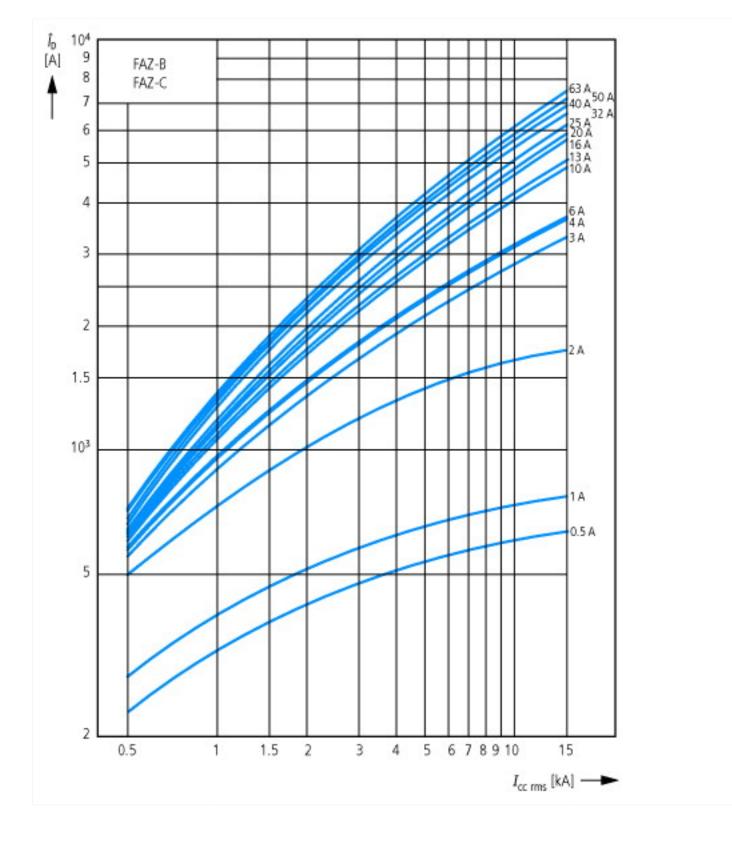
Approvals

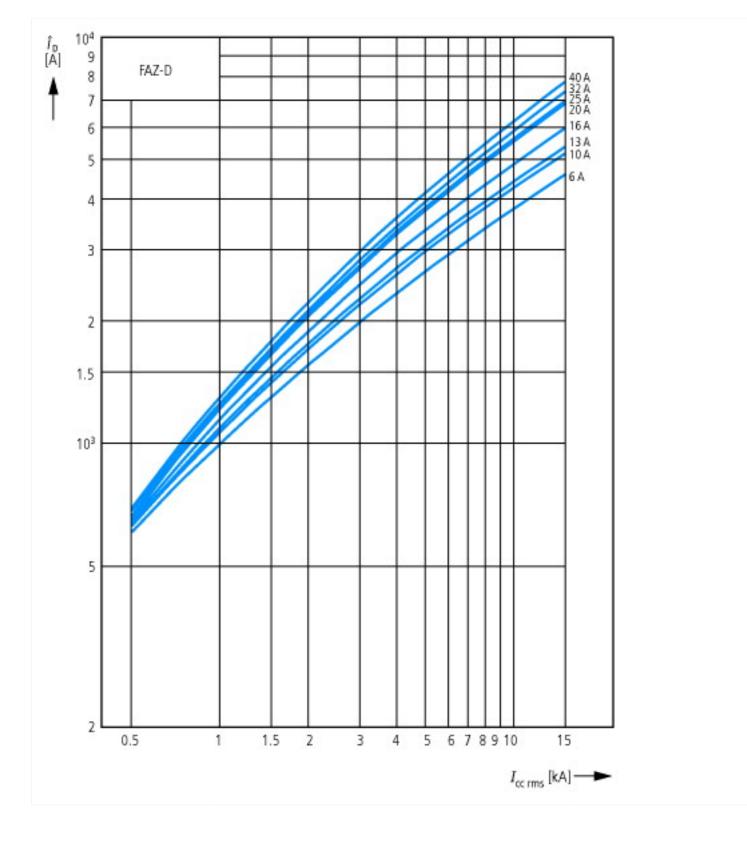
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable for	Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker	No
Max. Voltage Rating	480Y/277 VAC; 96 VDC
Degree of Protection	IEC: IP20; UL/CSA Type: -

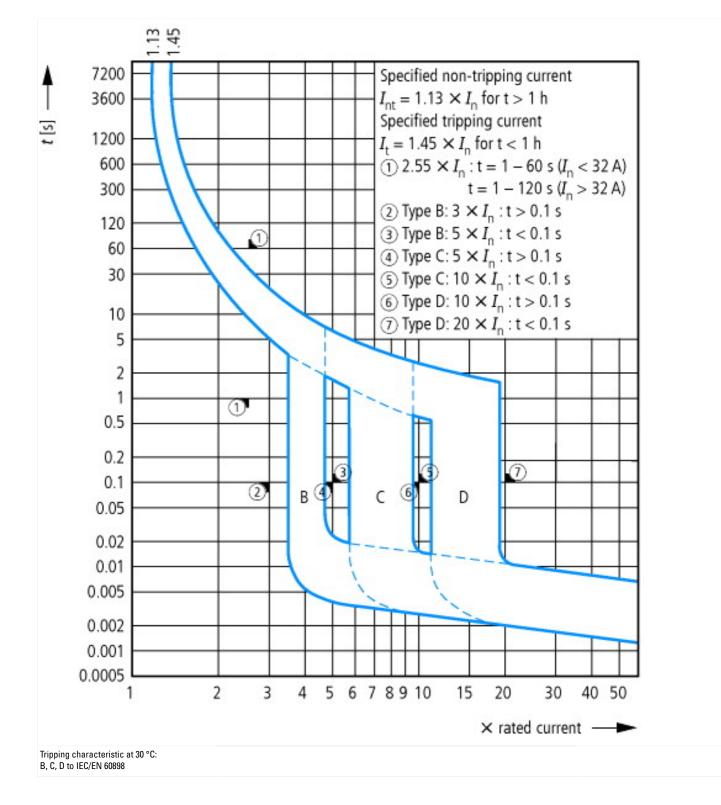
Characteristics



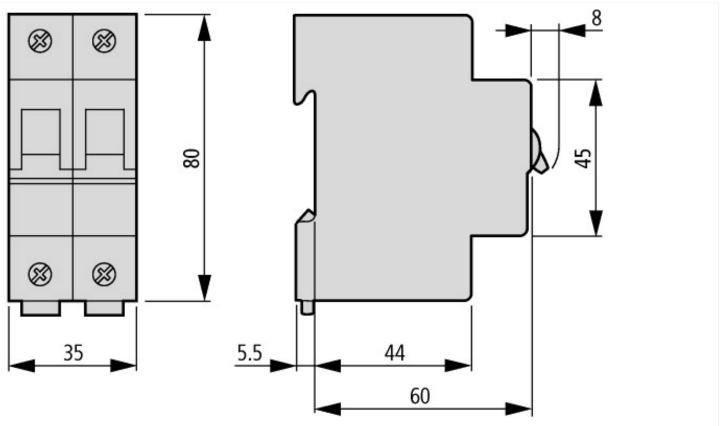








Dimensions



Additional product information (links)

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

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