



FAZ-C3/2 278750 FAZ-C3/2



Similar to illustration

Delivery program

Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	3
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Animation Animation Excention Note Vertion Second Animation Note Second Animation Noin Second	Electrical			
Image: space s	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Rada switching capacity act. to IEC/EN 60947-2 K K S Operational switching capacity K K S Characteristic K K S Max. back-up fuse K K S Selectivity Class Perations Y S Elfespan Operation Y S Direction of incoming supply Operations Y S Nechanical N M S Rechanical N N S Rechanical S N N S Rechanical S N <td></td> <td>U_e</td> <td>V AC</td> <td>230/400</td>		U _e	V AC	230/400
Analysic Ka 5 Operational switching capacity 5, 0 5, 0 Characteristic A gl/g0 5 Salecticy Class A gl/g0 3 Solection fincoming supply Vertame 3 Direction of incoming supply as rquired 3 Vertamical Max as rquired Standard front dimension Max Solection of to BGV A2 Terminal protection Max Solection of to BGV A2 Munting width per pole Max Solection of to BGV A2 Munting widt per pole Max Solection of to BGV A2 Terminal protection Max Solection of to BGV A2 Terminal stop and bottom Max Solection of tot BGV A2 Terminal stop and bottom Max Solection of tot BGV A2 Terminal stop and bottom Max Solection of tot BGV A2 Terminal stop and bottom Max Solection of tot BGV A2 Terminal stop and bottom Max Solection of tot BGV A2 Terminal stop and bottom Max Solection of tot BGV A2			V DC	48 (per pole)
Characteristic A g A g A g A g A g A g A g A g A g A g	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Max.back-up fuse A gL/g A gL/g Is Selectivity Class Verter 3 3 Lifespan Verter > 10000 3 Direction of incoming supply verter verter selectivity Class selectivity Class 3 Mothematical verter verter selectivity Class selecitity Class	Operational switching capacity		kA	7.5
Selectivity Class Perations Image: Selectivity Class Selectivity Cla	Characteristic			B, C, D
Lifespan Operations >10000 Direction of incoming supply as required Wechanical required Standard front dimension nm 4 Enclosure height nm 8 Terminal protection nm 15 Mounting width per pole ref ref Mounting Imm 15 Degree of Protection Imm 120, IP40 (when fitted) Terminal capacities nm² 120, IP40 (when fitted) <	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Wechanical srequired Standard front dimension mm 45 Enclosure height mm 80 Terminal protection mm Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 15. Mounting E/CN 60715 top-hat rail mm Digree of Protection Mm 120, P40 (when fitted) Terminal stop and bottom mm ² 120, P40 (when fitted) Terminal capacities mm ² 125 Item material mm ² 120, Parcenterminals	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 45 Enclosure height mm 80 Terminal protection mm 1inger and back-of-hand proof to BGV A2 Mounting width per pole mm 15.5 Mounting EC/EN 60715 top-hat rail 120.1144 Degree of Protection Fm 120.11440(when fitted) Terminals top and bottom Fm 120.1140(when fitted) Terminal capacities mm ² 1xac Terminal capacities mm ² 1xac Munch mm ² 1xac Terminal capacities mm ² 1xac Munch mm ² 1xac Terminal capacities mm ² 1xac	Lifespan	Operations		> 10000
Standard front dimension mm \$ Enclosure height mm 80 Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Degree of Protection FICH 60715 top-hat rail Terminals top and bottom mm² Fich 60715 top-hat rail Terminal capacities mm² Twin-purpose terminals Imm² 1×25 1×25 Internet mm² 2×10 Thickness of busbar material mm² 8×10	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 Finger and back-of-hand proof to BGV A2 Finger and back-of-hand proof to BGV A2 Degree of Protection Mm 1.5 Terminal stop and bottom Finger Finger and proof to BGV A2 Terminal capacities Mm 1.5 Terminal capacities Mm 1.5 Intermediation Mm 1.5 Terminal capacities Mm 1.5 Intermediation Mm 1.5 Intermediation Mm 1.5 Terminal capacities Mm 1.5 Intermediation 1.5 <	Mechanical			
Terminal protectionImage: Biger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingImage: Biger and back-of-hand proof to BGV A2Image: Biger and back-of-hand proof to BGV A2Degree of ProtectionImage: Biger and back-of-hand proof to BGV A2Image: Biger and back-of-hand proof to BGV A2Terminals top and bottomImage: Biger and back-of-hand proof to BGV A2Image: Biger and back-of-hand proof to BGV A2Terminal capacitiesImage: Biger and back-of-hand proof to BGV A2Image: Biger and back-of-hand proof to BGV A2Terminal capacitiesImage: Biger and back-of-hand proof to BGV A2Image: Biger and B	Standard front dimension		mm	45
Mounting width per polemm1.5MountingICICICDegree of ProtectionICICICTerminals top and bottomICICImnopuls terminalsTerminal capacitiesImnopulsImnopu	Enclosure height		mm	80
Mounting Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Image: Protection Protection Protection Terminals top and bottom Image: Protection Twin-purpose terminals Terminal capacities mm ² Image: Protection Image: Protection mm ² Image: Protection	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Base of the sector of th	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² mm ² mm ² 1×25 Information mm ² mm ² 2×10 Thickness of busbar material mm	Degree of Protection			IP20, IP40 (when fitted)
Image:	Terminals top and bottom			Twin-purpose terminals
Thickness of busbar material mm 2 x 10 08 08 0.2	Terminal capacities		mm ²	
Thickness of busbar material mm 0.82			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

Fechnical data for design verification				
Rated operational current for specified heat dissipation	In	А	3	
Heat dissipation per pole, current-dependent	P _{vid}	W	0	
Equipment heat dissipation, current-dependent	P _{vid}	W	2.4	
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 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

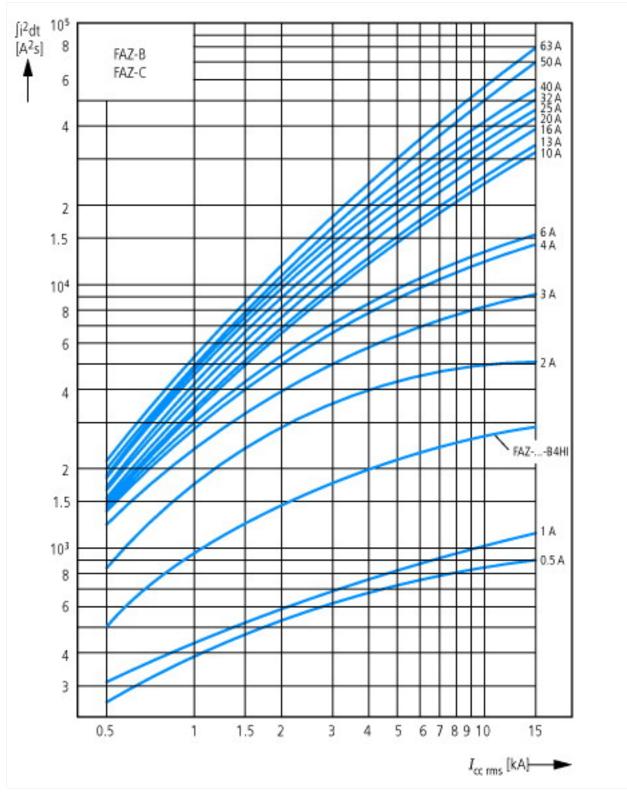
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

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

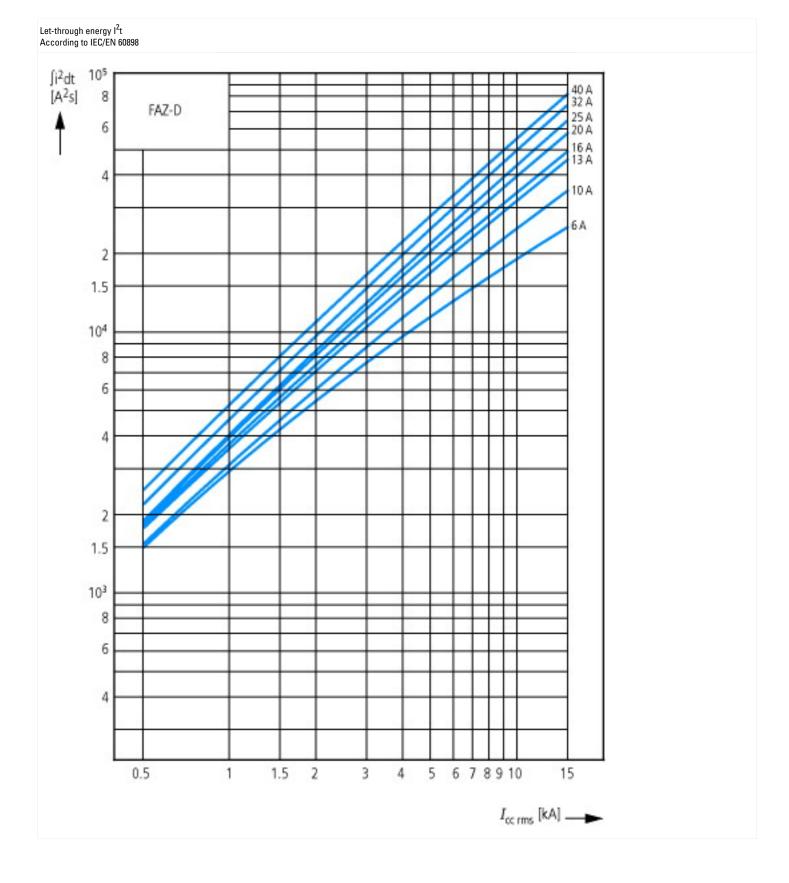
Approvals

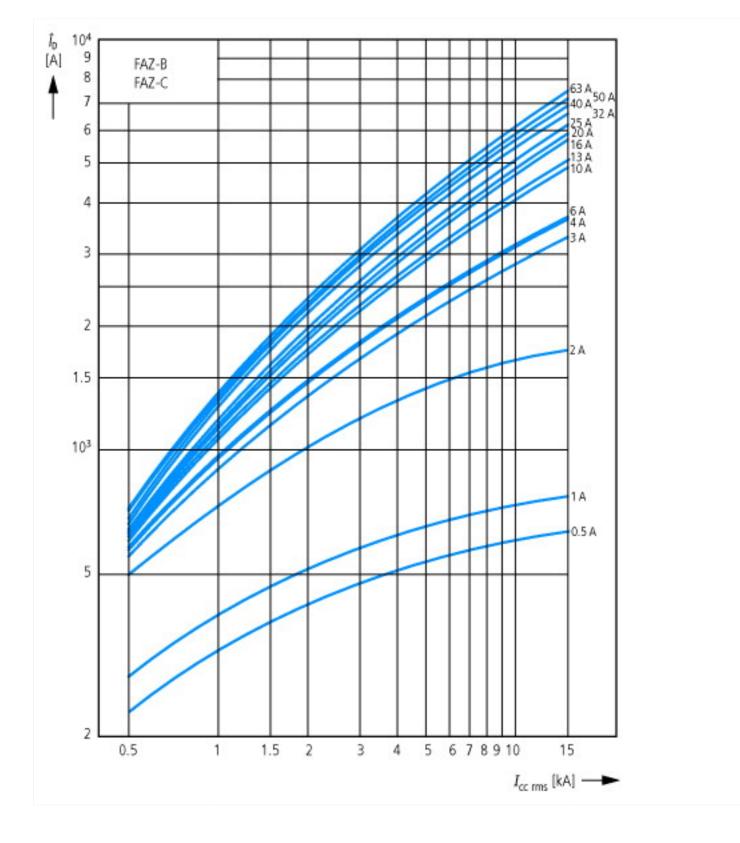
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable 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: -

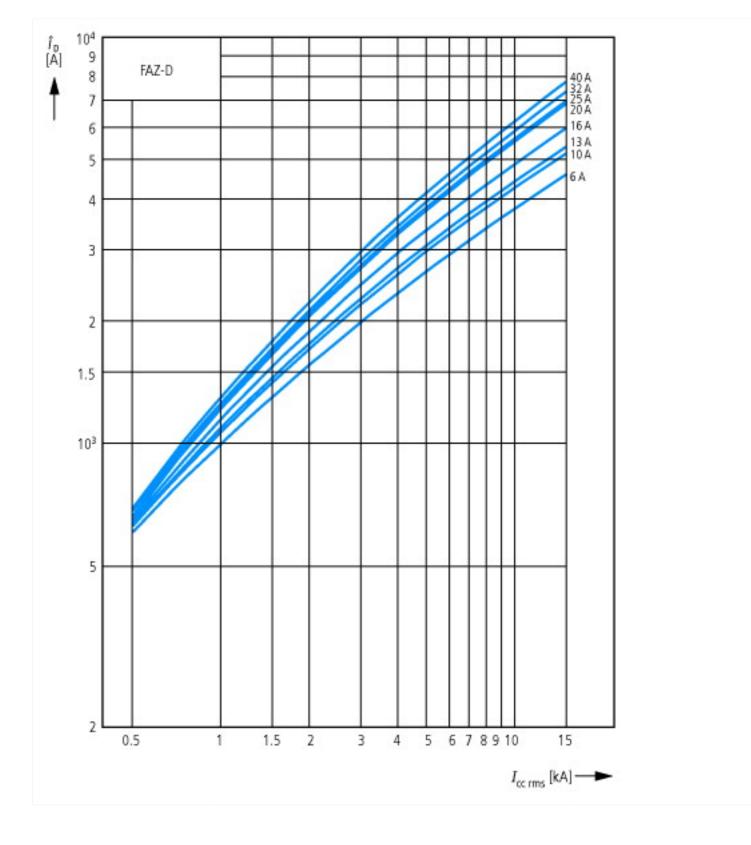
Characteristics

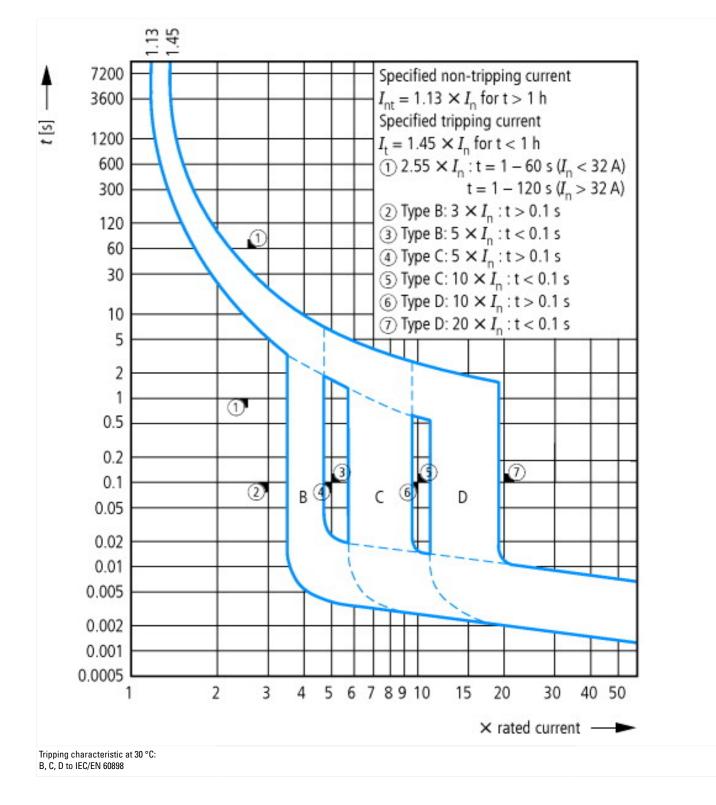


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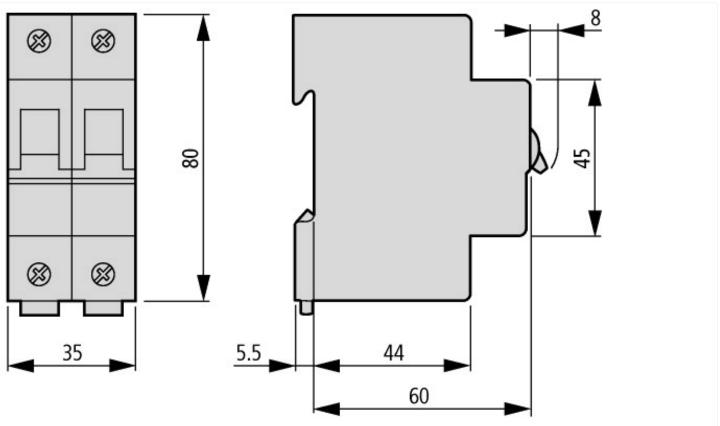








Dimensions



Additional product information (links)

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

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