



FAZ-D16/2 278783 FAZ-D16/2



Similar to illustration

Delivery program

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	16
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Animal and the second	Electrical			
Image: space s	Standards			
Image: Note of the section of the sectin of the sectin of the section of the section of the section of	Rated operational voltage	U _e	V	
Rate switching capacity acc. to IEC/EN 60947-2 Image: space sp		U _e	V AC	230/400
Qerational synchronizationKAKASolutionCharacteristicA gL/GSolutionMax back-up fuseA gL/G3Selectivity ClassA gL/G3Direction of incoming supplyA gL/G3Direction of incoming supplyA gL/G3Ander functionImageSolutionDirection of incoming supplyImageSolutionAnder functionImageSolutionDirection of incoming supplyImageSolutionAnder functionImageSolutionAntimity SolutionImageSolutionAntimity Solution <td< td=""><td></td><td></td><td>V DC</td><td>48 (per pole)</td></td<>			V DC	48 (per pole)
Characteristic Ray Lage <td< td=""><td>Rated switching capacity acc. to IEC/EN 60947-2</td><td></td><td>kA</td><td>15</td></td<>	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
As back-up fuse Ag Log Fag Log	Operational switching capacity		kA	7.5
Selectivity ClassAppendix of the section of incoming supplyAppendix of the section of the se	Characteristic			B, C, D
Liespan Operations >10000 Direction of incoming supply > ar quired Mechanical ser quired Standard front dimension M M Enclosure height M M Torminal protection M M Mounting width per pole M M Mounting M IC/EN 60715 top-hat rail Degree of Protection M M Terminal capacities M M Terminal capacities M M Iterminal capacities M M	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Mechanical 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 ECEN 60715 top-hat rail 100 Degree of Protection ECEN 60715 top-hat rail 100 Terminal capacities mm ² 120. IP40 (when fitted) T	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 6 mm 8 Enclosure height mm 80 1000000000000000000000000000000000000	Lifespan	Operations		> 10000
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 Degree of Protection PCM PCM Terminals top and bottom PCM PCM Terminal capacities mm ² Tori-purpose terminals Protection mm ² 1x25 Terminal capacities mm ² 1x10 Terminal capacities mm ² 1x10 Terminals top and bottom mm ² 1x25 Terminal capacities mm ² 1x10	Direction of incoming supply			as required
Enclosure height mm B0 Terminal protection Figer and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Mounting Figer and back-of-hand proof to BGV A2 mm Degree of Protection Mm 1.5 Terminal copacities Figer and back-of-hand proof to BGV A2 mm Terminal copacities Figer and back-of-hand proof to BGV A2 mm Terminal copacities Figer and back-of-hand proof to BGV A2 mm Terminal copacities Figer and back-of-hand proof to BGV A2 mm Terminal copacities Figer and back-of-hand proof to BGV A2 mm Terminal copacities Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copacities Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copacities Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copacities Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copacities Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copacities Figer and back-of-hand proof to BGV A2	Mechanical			
Terminal protectionImage: Big and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Degree of ProtectionImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminals top and bottomImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand proof to BGV A2Image: Big and back-of-hand proof to BGV A2Terminal capacitiesImage: Big and back-of-hand back-of-h	Standard front dimension		mm	45
Mounting width per pole mm 15 Mounting ICEN 60715 top-hat rail ICEN 60715 top-hat rail Degree of Protection ICEN 60715 top-hat rail ICEN 60715 top-hat rail Terminals top and bottom ICEN 60715 top-hat rail ICEN 60715 top-hat rail Terminals top and bottom ICEN 60715 top-hat rail ICEN 60715 top-hat rail Terminals top and bottom ICEN 60715 top-hat rail Icen rail Terminal capacities Imm Imm Impose terminals Imm Imm Imm Impose terminals Imm Imm Imm Immose terminals Imm Imm Immose terminals Immose terminals Imm Immose terminals Immose terminals Immose terminals Immose terminals Immose terminals Immose terminals Immose terminals	Enclosure height		mm	80
Mounting Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Image: Second	Mounting width per pole		mm	17.5
Terminals top and bottom Image: minipage terminals Terminal capacities mm ² Image: minipage terminals 1x 25 Image: minipage terminals mm ² Image: minipage terminals 1x 25 Image: minipage terminals mm ²	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² mm ² mm ² 1×25 mm ² 2×10 Thickness of busbar material mm 082	Degree of Protection			IP20, IP40 (when fitted)
Image: market in the second	Terminals top and bottom			Twin-purpose terminals
Thickness of busbar material Thickness of busbar material Thickness of busbar material Thickness of busbar material	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

Technical data for design verification				
Rated operational current for specified heat dissipation	In	А	16	
Heat dissipation per pole, current-dependent	P _{vid}	W	0	
Equipment heat dissipation, current-dependent	P _{vid}	W	4.7	
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

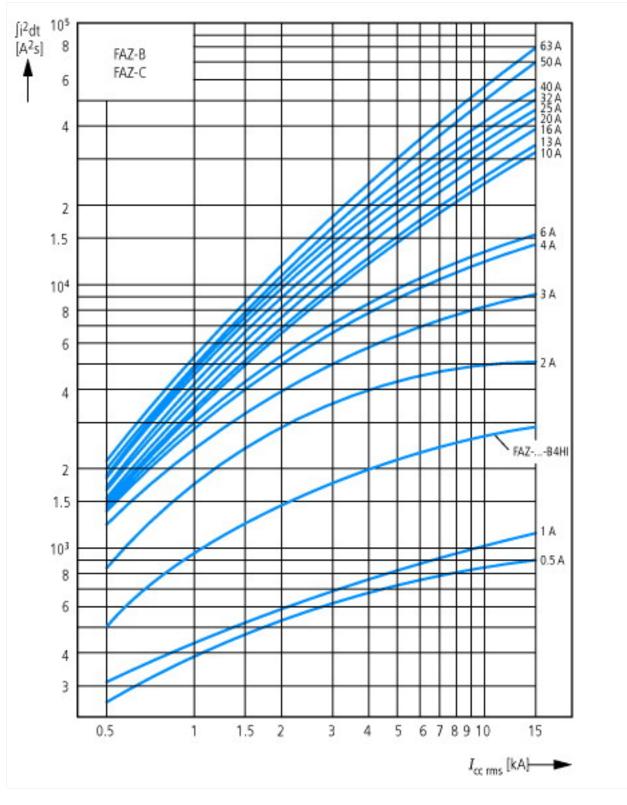
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-0 [AAB905011])			
Release characteristic			D
Number of poles (total)			2
Number of protected poles			2
Nominal rated current	А		16
Nominal rated voltage	V		400
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	4	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	4	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	4	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	4	15
Voltage type			AC
Current limiting class			3
Frequency	Hz	z	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	mr	m	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

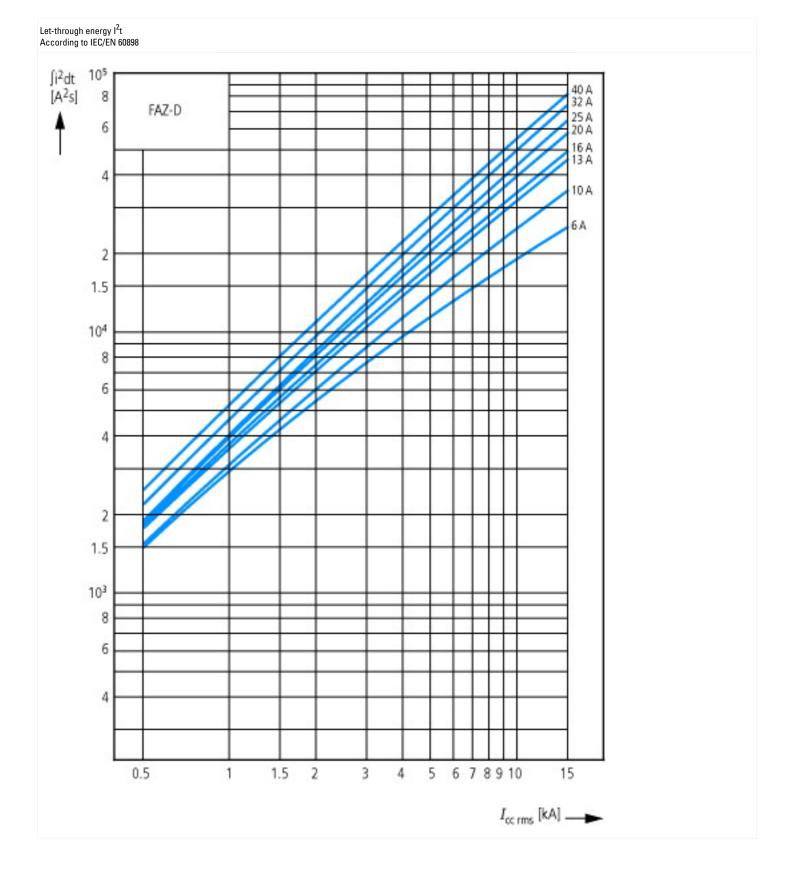
Approvals

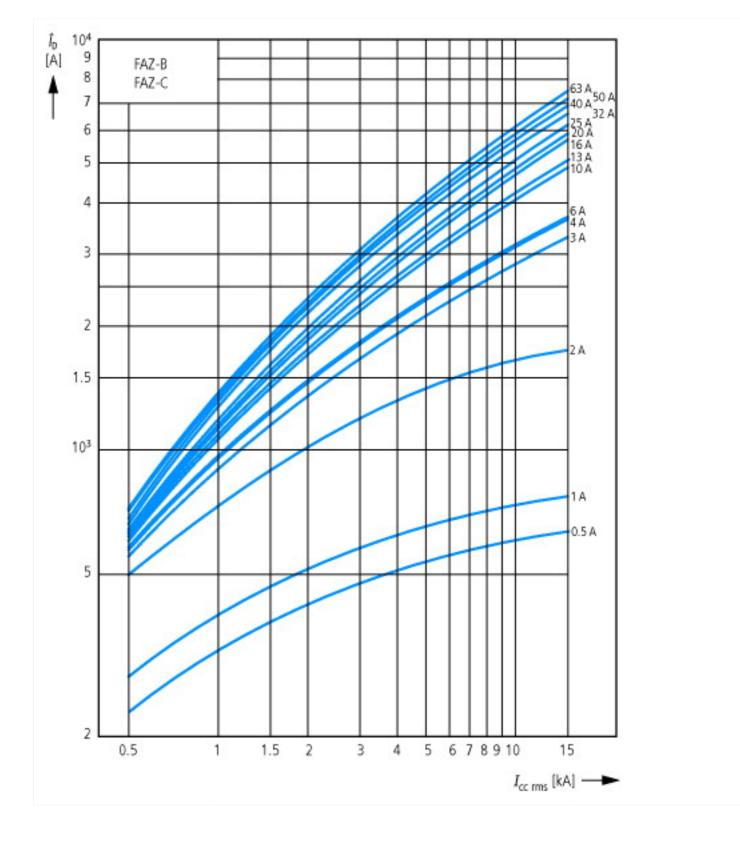
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

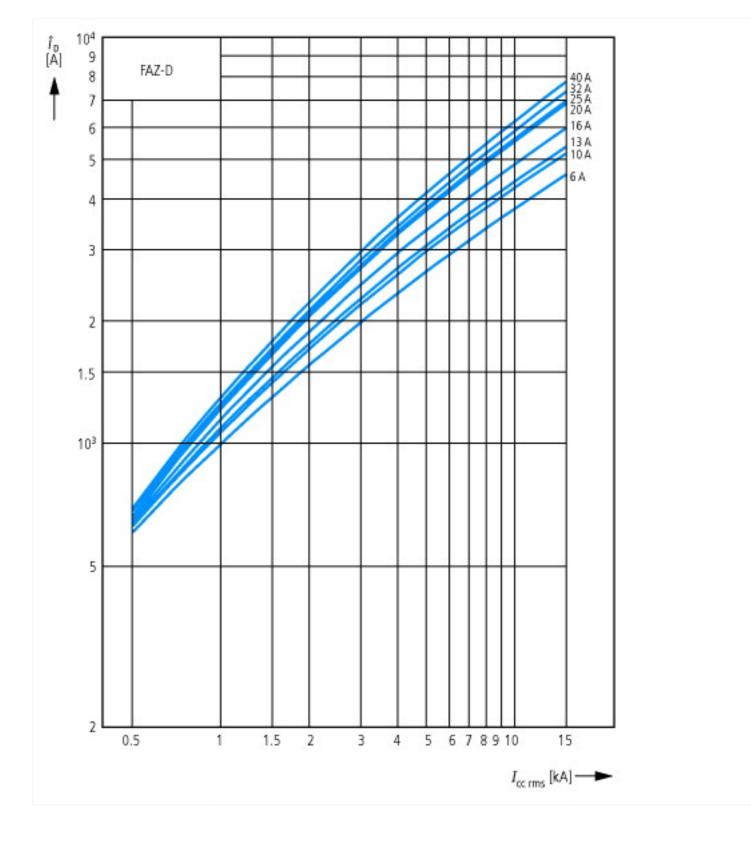
Characteristics

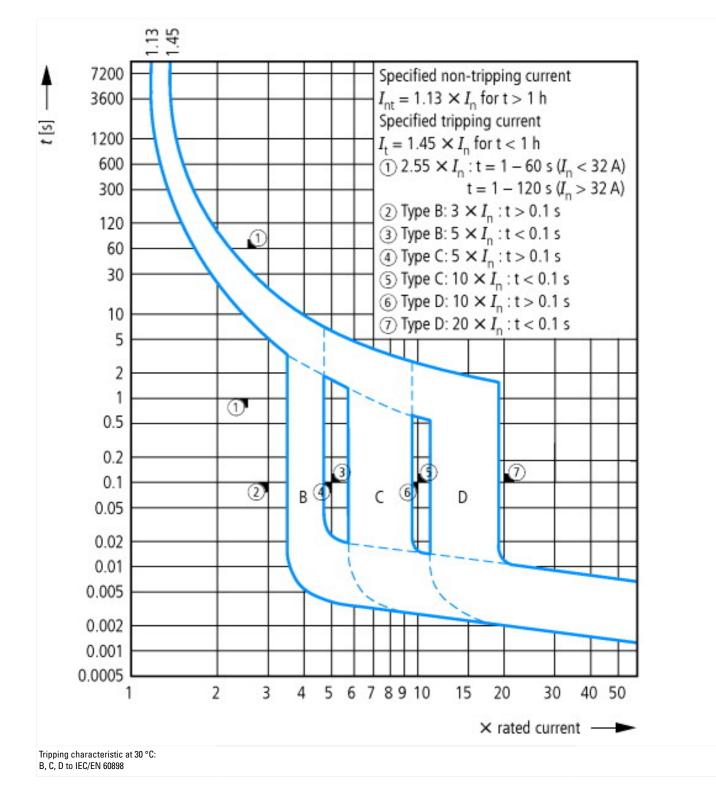


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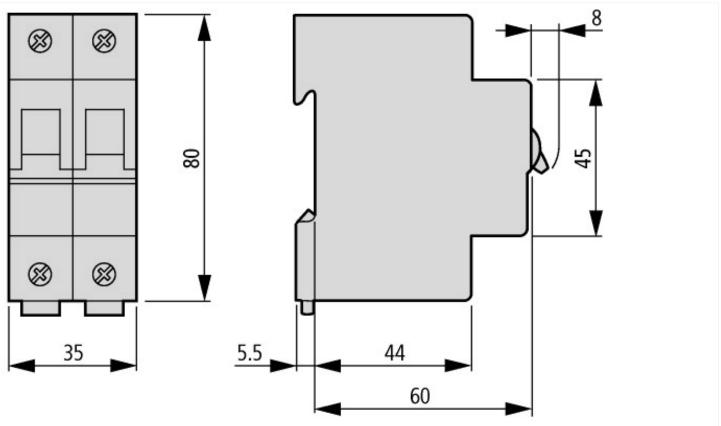








Dimensions



Additional product information (links)

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

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