



FAZ-C0,5/1 278544 FAZ-C0.5/1



Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	I _n	А	0.5
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Read operational voltage Region Read operational voltage Read operational voltage<	Electrical			
No. Va VAC VAC VAC Variable Va	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Redeswitching capacity acc. to IEC/EN 60947-2 K K S Operational switching capacity K S S Characteristic K S S Max. back-up fuse K S S Selectivity Class Perations Y S S Direction of incoming supply Perators Y S S S Machard funct dimension Perators Y S		Ue	V AC	240/415
Qerational switching capacityKAKACharacteristicAg4/035,0Max back-up fuseAg4/032Selectivity ClassVerational3Direction of incoming supplyVerationala requiredDirection of incoming supplyImage3Andarf fund imensionImageSEnclosure heightImageSMonting supplyImageSManding supplyImageSMathematical supplyImageS <td></td> <td></td> <td>V DC</td> <td>60 (per pole)</td>			V DC	60 (per pole)
Characteristic Ro Ro Max.back-up fuse Ag (µo) Steletivity Class Vervation 1000 Lifespan Vervation a required Direction of incoming supply vervation a required Matcharter vervation No Addarf ford timension vervation No Enclosure height nm Scandard Concentration Munting with the prole nm Scandard Concentration Direction of ford ford ford ford ford ford ford f	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Max. back-up fuse A gL/g Selectivity Class Jack Selectivity Class	Operational switching capacity		kA	7.5
Selectivity Class Appendix of the second secon	Characteristic			B, C, D
Liespan Operations >10000 Direction of incoming supply Ser equired Mechanical ser equired Standard front dimension M M Enclosure height M M Torminal protection M M Mounting width per pole M M Mounting M Score height Degree of Protection M M Terminal stop and bottom M M Terminal capacities M M Terminal capacities M M It inclusion <t< td=""><td>Max. back-up fuse</td><td></td><td>A gL/gG</td><td>125</td></t<>	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 Mm 12. Degree of Protection Mm 12. Terminal stop and bottom Mm 12. Terminal capacities mm 12. <td>Selectivity Class</td> <td></td> <td></td> <td>3</td>	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 8 Enclosure height mm 80 Terminal protection mm finger and back-of-hand proof to BGV A2 Mounting width per pole mm 15. Mounting FC/KN 60715 top-hat rail File Degree of Protection File File Terminals top and bottom File File Terminal capacities mm ² File Terminal capacities mm ² standard Incompose terminals mm ² standard Incompose terminals standard standard Incompose terminals mm ² standard Incompose terminals mm ² standard Incompose terminals mm ² standard Incompose terminals standard standard Incompose terminals standard standard Incompose terminals standard standard Incompose terminals standard standard Incompose terminals	Lifespan	Operations		> 10000
Standard front dimensionImm5Enclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per poleMmm1.5Bogree of ProtectionFinder Art allTerminals top and bottomFinder Art allTerminal capacitiesmm²1.25Interminationmm²Interminationmm	Direction of incoming supply			as required
Enclosure height mm 9 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 Finder and proof to BGV A2 Finder and back-of-hand proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and back-of-hand proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder and proof to BGV A2 Terminal copacities Finder and proof to BGV A2 Finder A2 Terminal copacities Finder an	Mechanical			
Terminal protectionImage: Single and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingEC/EN 60715 top-hat railDegree of ProtectionMm120, IP40 (when fitted)Terminals top and bottommm²imipurpose terminalsTerminal capacitiesmm²125Intermediationmm²imipurpose terminalsTerminal capacitiesmm²imipurpose terminalsIntermediationmm²imipurpose terminalsTerminal capacitiesmm²imipurpose terminalsIntermediationmm²imipurpose t	Standard front dimension		mm	45
Mounting width per polemm1.5MountingFC/EN 60715 top-hat railDegree of ProtectionFCFCTerminals top and bottomFCFCTerminal capacitiesmm²Fini-purpose terminalsTerminal capacitiesmm²1x25Terminals top substarmaterialmm²x10	Enclosure height		mm	80
Mounting Image: Book of the second	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Fee P20, IP40 (when fitted) Terminals top and bottom Terminals top and bottom Twin-purpose terminals Terminal capacities ma ² Ima ²	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Bottom Image: Bottom Terminal capacities mm ² Image: Bottom Image: Bottom Bottom Image: Bottom	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities ma ² Imm ² mm ² Imm ² 1×25 Imm ² x10 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
Imm ² 2 x 10 Thickness of busbar material mm 0.8 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

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	0.5
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	1.2
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 observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must 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)

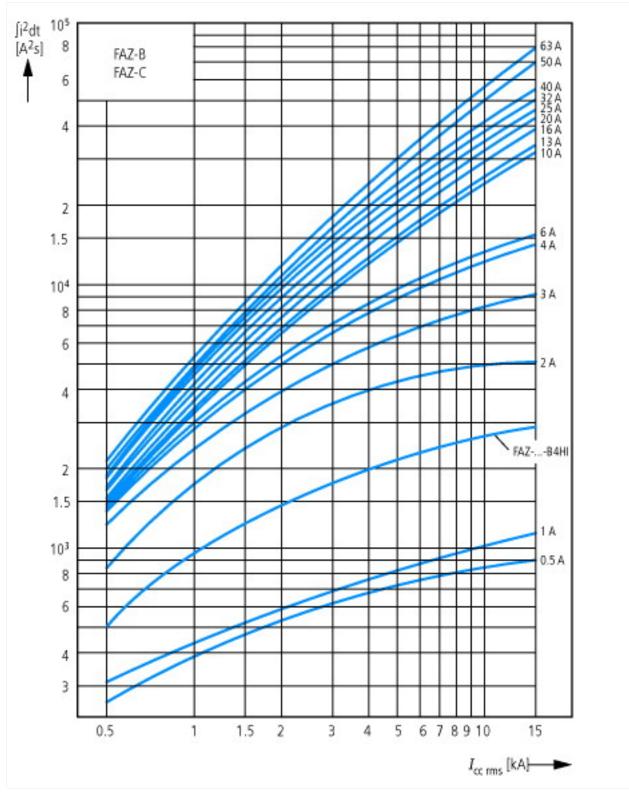
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

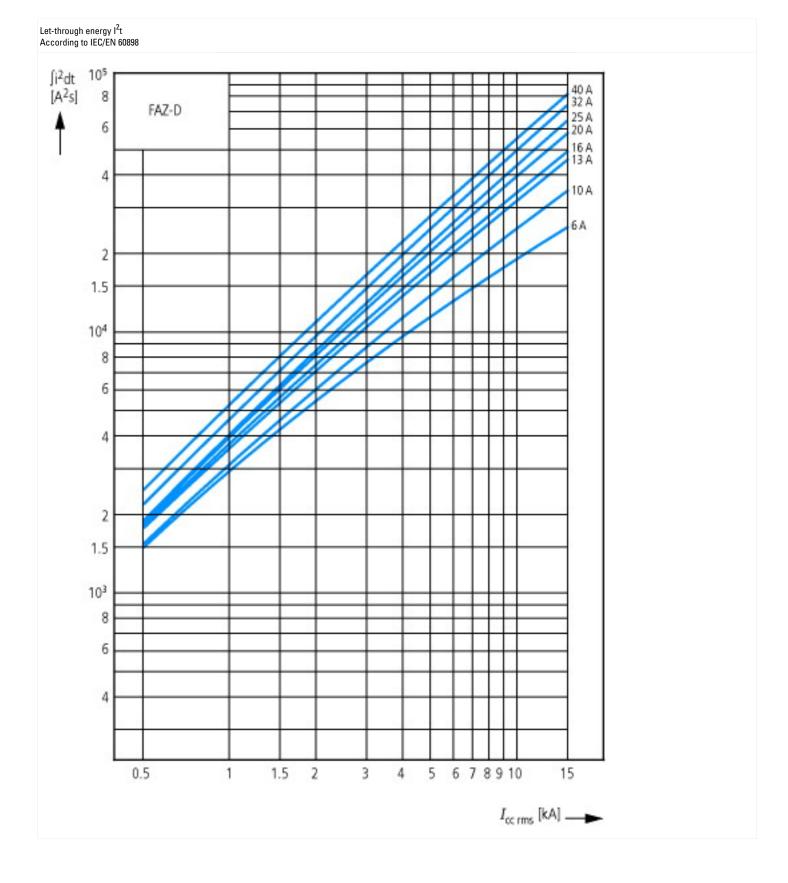
Release characteristic			C
Number of poles (total)			1
Number of protected poles			1
Nominal rated current	А		0.5
Nominal rated voltage	V		230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k/	A	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k/	A	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k/	A	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k.	A	15
Voltage type			AC
Current limiting class			3
Frequency	H	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			1
Built-in depth	m	ım	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

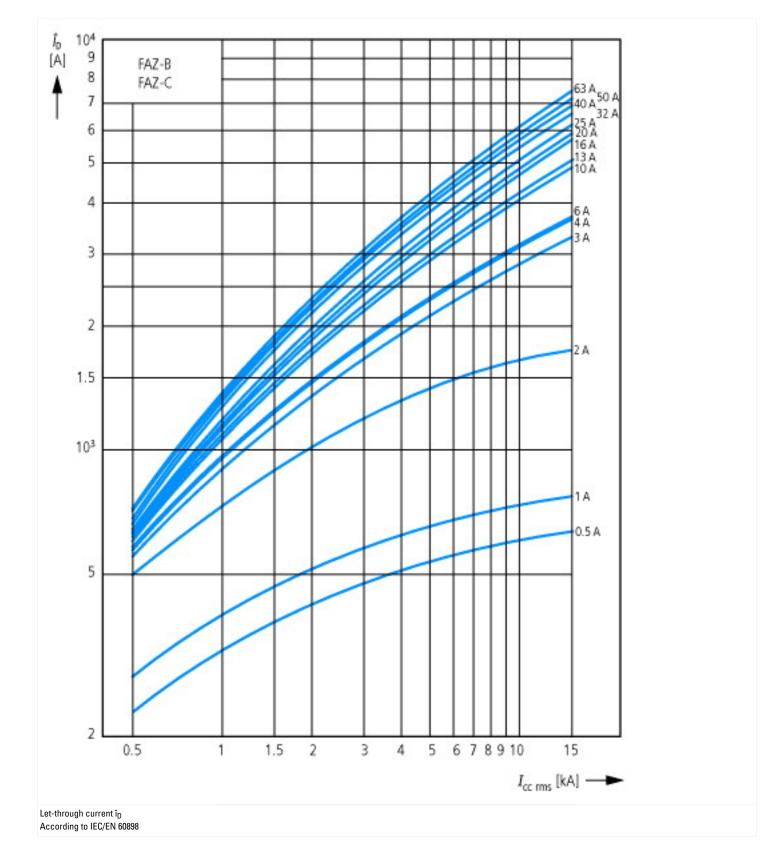
Approvals

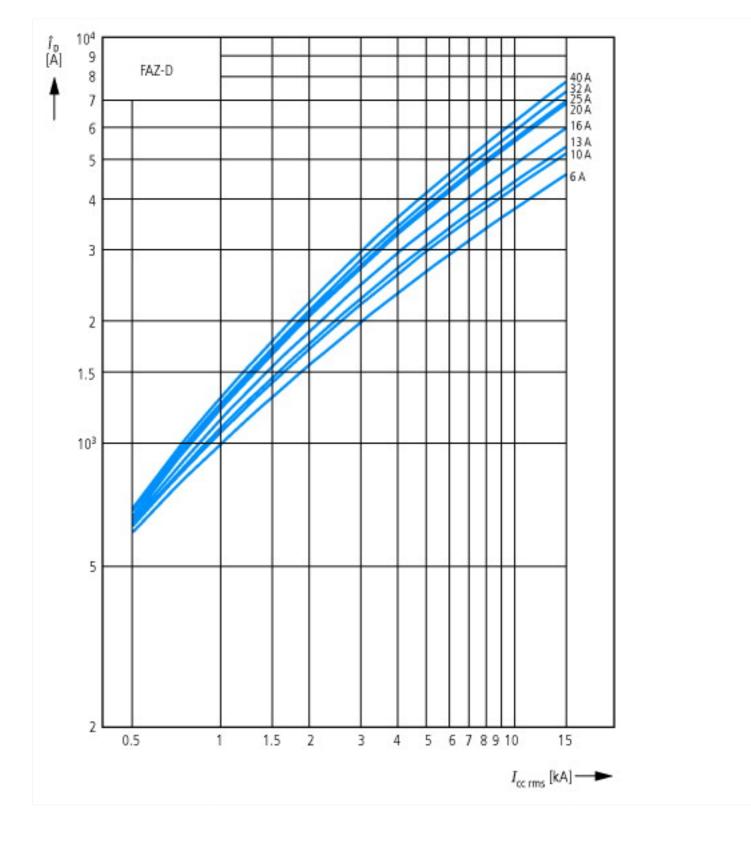
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable for	Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker	No
Max. Voltage Rating	277 VAC; 48 VDC
Degree of Protection	IEC: IP20; UL/CSA Type: -

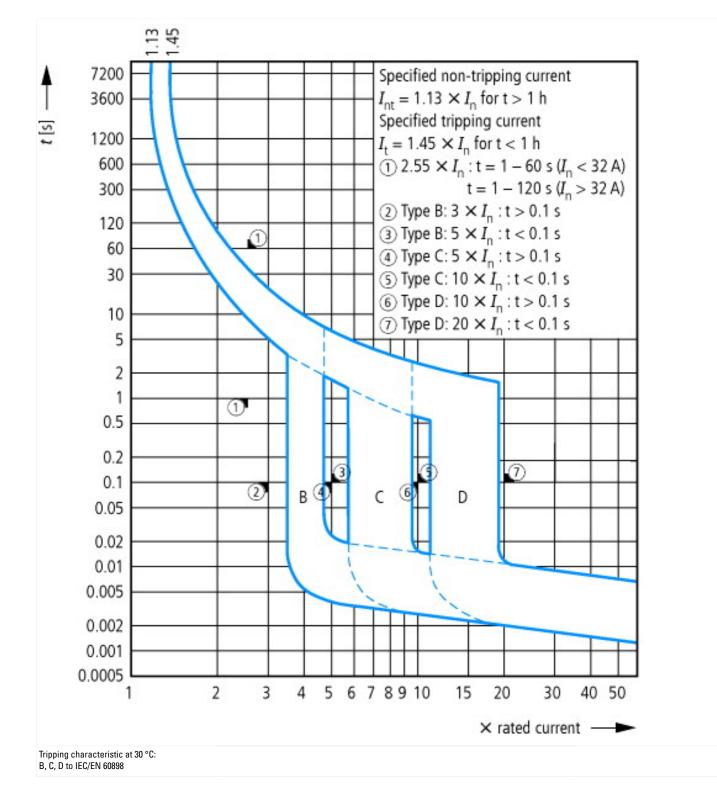
Characteristics



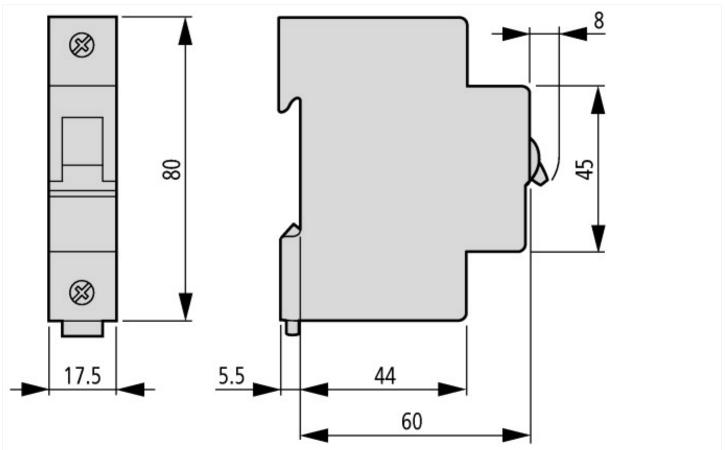








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

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