



FAZ-C2/1 278549 FAZ-C2/1



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

Technical data

Refer of a constraint o	Electrical			
No. VAC VAC VAC VAC VAC	Standards			
Index service of EQC (NO 60047-2)Index service	Rated operational voltage	U _e	V	
Retes witching capacity acc. to IEC/EN 6094-2 Image: Retes witching capacity		U _e	V AC	240/415
Qerational switching capacityKaKaSCharacteristicAgU/G55Max back-up fuseAgU/G33Selectivity ClassNerror33Direction of incoming supplyNerror33Direction of incoming supplyNerror33Addaff for dimensionNerror33Enclosure heightNerror33Torinal protectionNerror33Monting supplyNerror33Mathematical supplyNerror33Mathemati			V DC	60 (per pole)
CharacteristicResult<	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Max. back-up fuse AgLya AgLya Image: Constraint of the second of the	Operational switching capacity		kA	7.5
Selectivity ClassFor all perationsImage: Selectivity ClassSelectivity Class	Characteristic			B, C, D
Liespan Operations >10000 Direction of incoming supply Servaired Servaired Mechanical servaired Servaired Standard front dimension Image Servaired Enclosure height Image Servaired Terminal protection Image Servaired back-of-hand proof to BGV A2 Mounting Image Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Terminal stop and bottom Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 <td>Max. back-up fuse</td> <td></td> <td>A gL/gG</td> <td>125</td>	Max. back-up fuse		A gL/gG	125
Direction of incoming supply Image: Sequired Mechanical Standard front dimension Mm 4 Enclosure height Mm 8 Terminal protection Mm Finer and back-of-hand proof to BGV A2 Mounting width per pole Mm 15. Mounting Mm 15. Degree of Protection Mm 120. Plo4 (when fitted) Terminal stop and bottom Mm 120. Plo4 (when fitted) Terminal capacities Mm 125. Inclosure of busbar material Mm 125.	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 6 mm 6<	Lifespan	Operations		> 10000
Standard front dimensionImmSEnclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFinder Art ailDegree of ProtectionFinder Art ailTerminals top and bottommmimin-purpose terminalsTerminal capacitiesmm1.25Interminationmmimin-purpose terminalsTerminal capacitiesmmimin-purpose terminalsInterminationmmimin-purpose terminalsInterminationmmimin-pu	Direction of incoming supply			as required
Enclosure height mm Bod Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole Finger and back-of-hand proof to BGV A2 Mounting Finger and back-of-hand proof to BGV A2 Degree of Protection Finder and Protection Terminal stop and bottom Finder and Protection Terminal capacities mm ² Interminal capacities mm ² Intermination mm ²	Mechanical			
Terminal protectionImage: Right and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingImage: Right and BCV	Standard front dimension		mm	45
Mounting width per pole mm 1.5 Mounting EC/EN 60715 top-hat rail Degree of Protection ICI ICICN 60715 top-hat rail Terminals top and bottom ICI Imm Imm Terminal capacities Imm Imm Imm Imm Imm Imm Imm	Enclosure height		mm	80
Mounting Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Feed P20, IP40 (when fitted) Terminals top and bottom Terminals copacities Terminals copacities Terminal capacities ma ² Ima ² Indext protection ma ² Ima ² Terminal capacities ma ² Ima ² Indext protection ma ² Ima ² Indext protection ma ² Ima ²	Mounting width per pole		mm	17.5
Terminal stop and bottom Image: Base of the stop	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² mm ² Imm ² 1×25 Imm ² x 10 Thickness of busbar material mm 082	Degree of Protection			IP20, IP40 (when fitted)
Image:	Terminals top and bottom			Twin-purpose terminals
Thickness of busbar material Mining Mining Thickness of busbar material Mining 0.82	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	I _n	А	2
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	1.4
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 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)

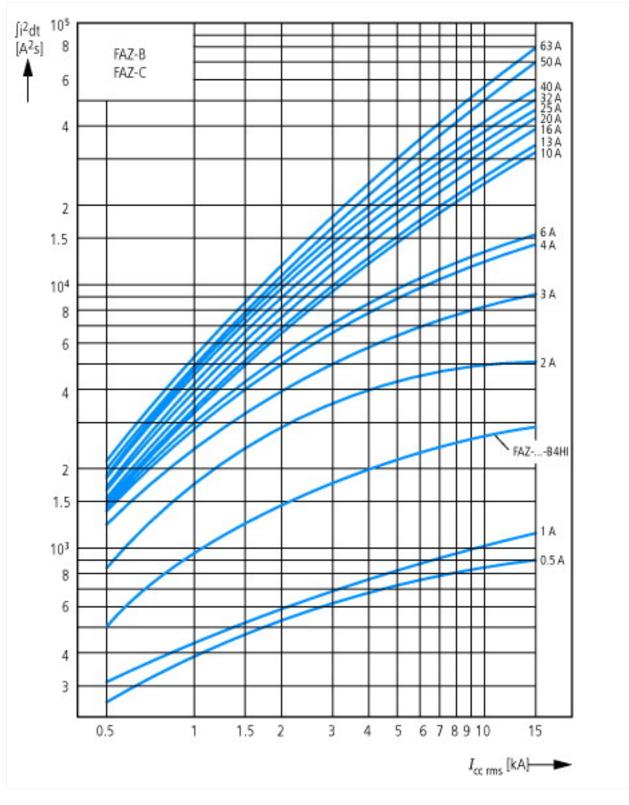
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

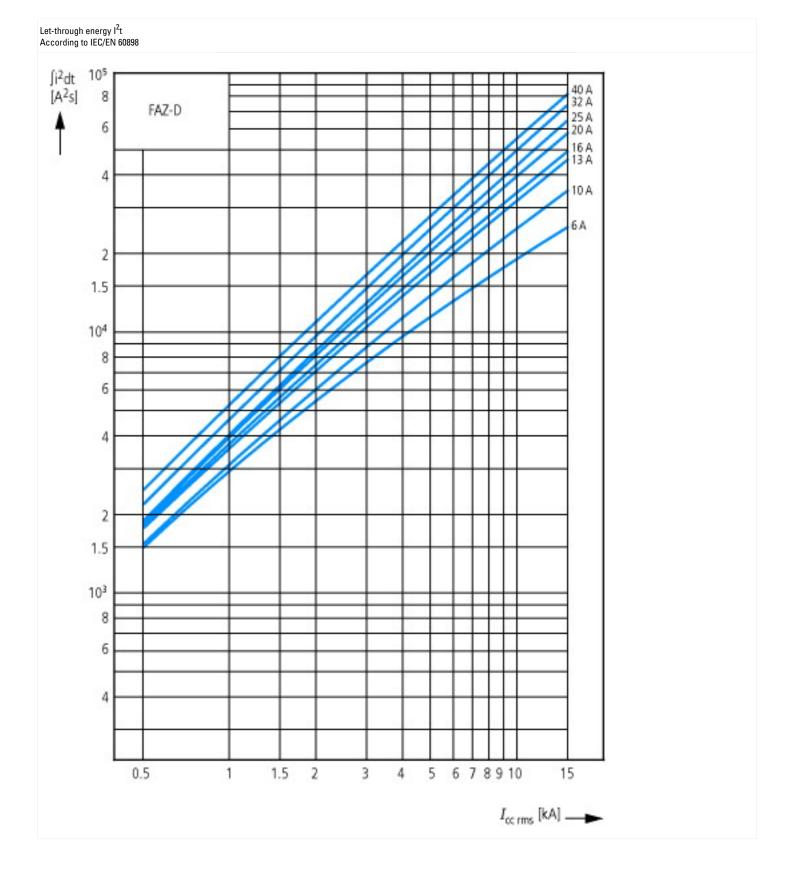
Release characteristic			c
Number of poles (total)			1
Number of protected poles			1
Nominal rated current	A	4	2
Nominal rated voltage	V	1	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	A	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	A	10
Rated short-circuit breaking 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	н	lz	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	nm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

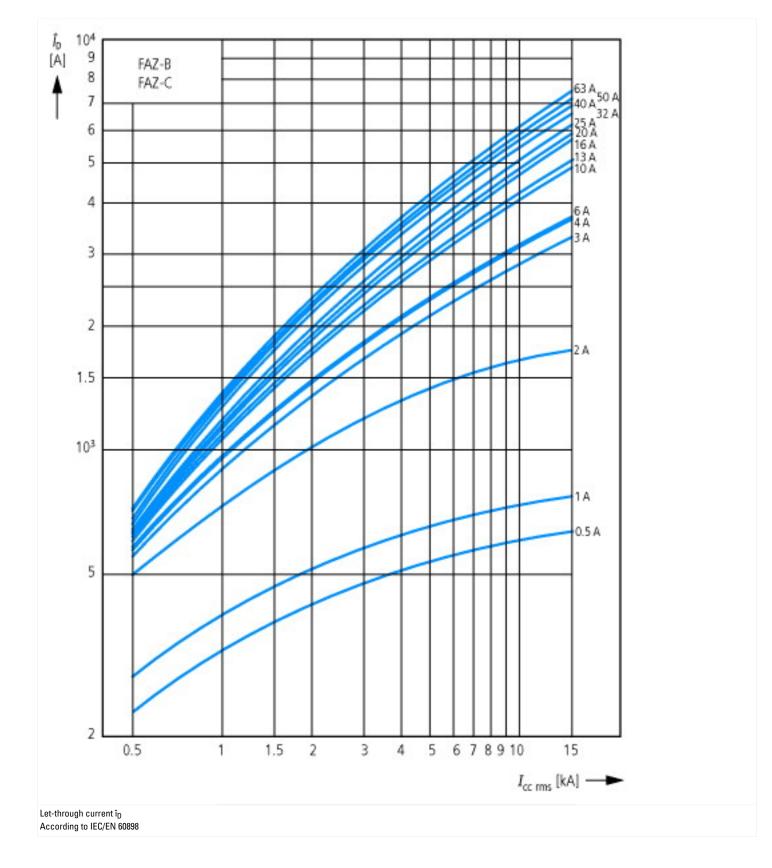
Approvals

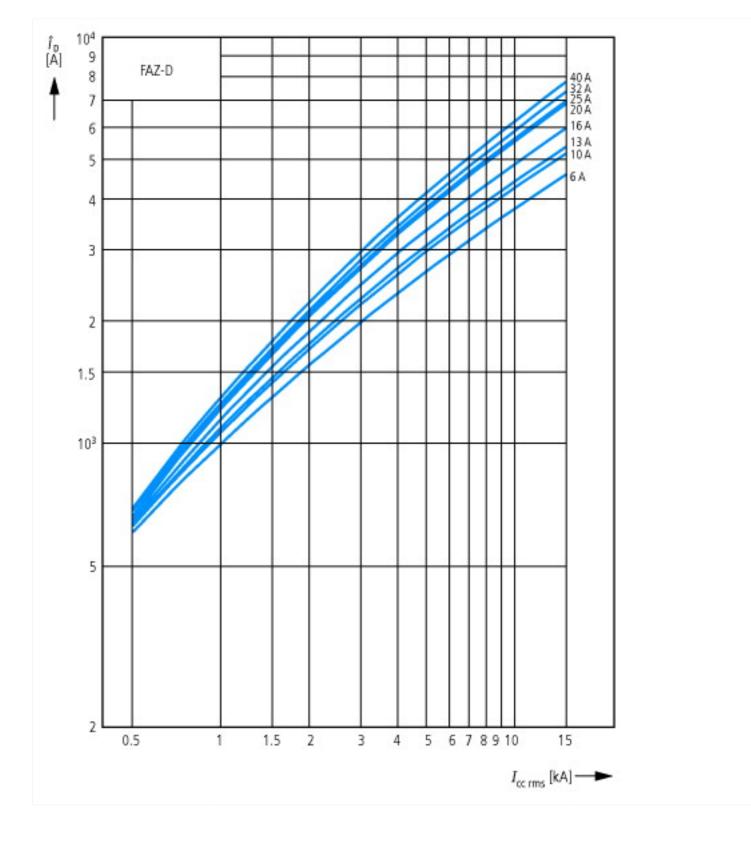
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

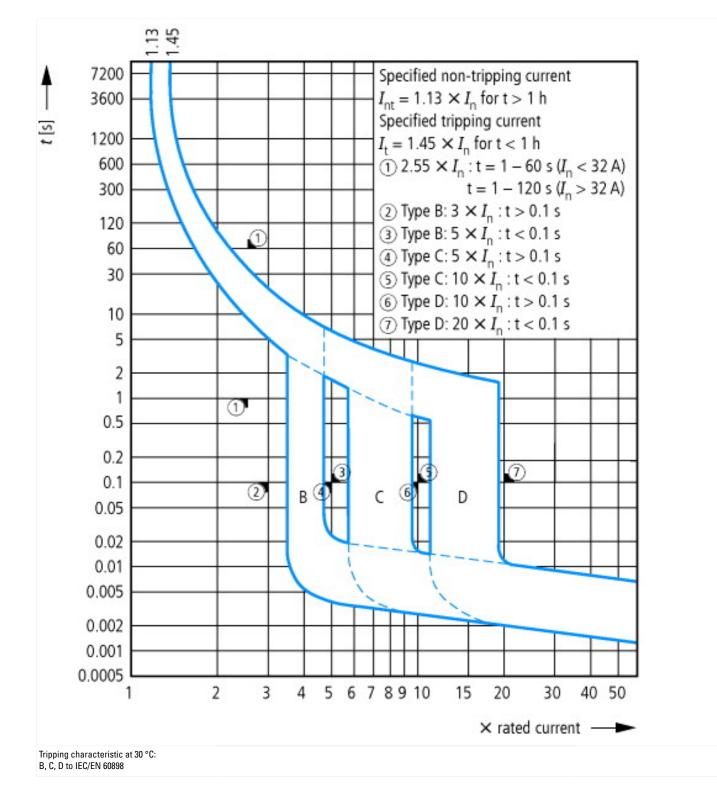
Characteristics



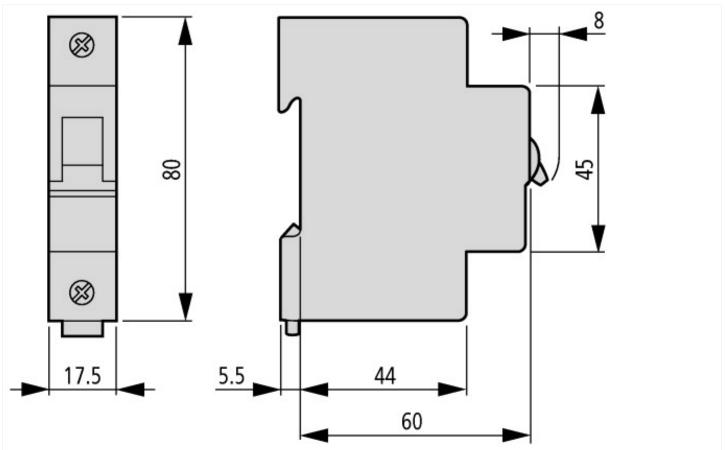








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

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