

Over current switch, 1A, 1p, C-Char, AC

Part no.FAZ-C1/1Article no.278546Catalog No.FAZ-C1/1



Similar to illustration

Delivery programme

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	1
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data Electrical

Anado operational voltage No Exc K 00000000000000000000000000000000000	Electrical			
Image: space s	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Red witching capacity act. to IEC/EN 60947-2 Red Red Red Operational switching capacity K Selectivity Selectivity Selectivity Class Sele		U _e	V AC	230/400
quantanism paratom <td></td> <td></td> <td>V DC</td> <td>48 (per pole)</td>			V DC	48 (per pole)
charateristick A g/pa A g/pa A g/pa 	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
A gLya A gLya Is Selectivity Class Operations 100 ifespan Operations 1000 Direction of incoming supply Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selectivity Class Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selectivity Class Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selectivity Class Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selectivity Class Image: Selectivity Class Image: Selectivity Class Acchanical Image: Selecitivity Class	Operational switching capacity		kA	7.5
Selectivity ClassImage: selectivity Class	Characteristic			B, C, D
ifespan Operations >1000 Direction of incoming supply > required Acchanical max sequired Acchanical max \$1 Bandard front dimension max \$1 Enclosure height max \$1 Mounting width per pole max \$1 Mounting Max \$1 Pagree of Protection Ferminals top and bottom \$1 Ferminal capacities Ferminal capacities \$1 Ferminal capacities max \$1 Internants top and bottom \$1 \$1 Ferminal capacities max \$1 Internants top and bottom \$1 \$1 Ferminal capacities \$1 \$1 Ferminal capacities \$1 \$1 Ferminal capacities \$1 \$2 Ferminal capacities \$1 \$2 </td <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 is required Adechanical mm 45 Standard front dimension mm 80 Enclosure height mm 80 Forminal protection mm Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 15. Mounting Mm Finger and back-of-hand proof to BGV A2 Pagree of Protection mm 15. Pagree of Protection mm 12. Pagree of Protect	Selectivity Class			3
Acchanical Image: Marcine information of the info	Lifespan	Operations		> 10000
Standard front dimensionImm45Standard front dimensionImm0Enclosure heightImm0Forminal protectionImmFinger and back-of-hand proof to BGV A2Mounting width per poleImm1.5MountingImmImmDegree of ProtectionImmImmForminals top and bottomImmImmForminal capacitiesImm<	Direction of incoming supply			as required
Enclosure height mm 80 Ferminal protection Finge and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Mounting Finde Finde Degree of Protection Finde Finde Ferminal capacities Finde Finde Ferminal capacities mm 125 Findemand mm 120 Indemand mm 120 Mounting width per pole Finde Finde Degree of Protection Finde Finde Ferminal capacities Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Finde Fin	Mechanical			
Ferminal protection Image and back-of-hand proof to BGV A2 Mounting width per pole mm 7.5 Mounting Image And Protection Image And Protection Ferminals top and bottom Image And Protection Image And Protection Ferminal capacities Image And Protecticapaa And Protection Image And Protection	Standard front dimension		mm	45
Mounting width per pole mm 7.5 Mounting IC/EN 60715 top-hat rail Degree of Protection IC/EN 60715 top-hat rail Terminals top and bottom IC Imm Ferminal capacities mm ² Twin-purpose terminals Imm mm ² 1x25 Internet mm ² 1x10 Internet mm ² 1x10 Internet mm ² 1x10	Enclosure height		mm	80
Mounting Image: C/EN 60715 top-hat rail Degree of Protection P20, IP40 (when fitted) Terminals top and bottom Image: Terminals Terminal capacities Image: Terminals Image: Terminal capacities Image: Terminals	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection P20, IP40 (when fitted) Ferminals top and bottom Twin-purpose terminals Ferminal capacities mm ² Imm ² 1×25 Imm ² 1×10 Imm ² 1×10 Imm ² 1×10 Imm ² 1×10	Mounting width per pole		mm	17.5
Ferminals top and bottom Image: Company of the sector of	Mounting			IEC/EN 60715 top-hat rail
Ferminal capacities mm ² Imm ² 1×25 Imm ² 1×25 Imm ² 1×10 Imm ² 1×10 Imm ² 1×10	Degree of Protection			IP20, IP40 (when fitted)
Image: ministration of the last state of the last	Terminals top and bottom			Twin-purpose terminals
Image: market indication of the second se	Terminal capacities		mm ²	
Thickness of busbar material mm 0.8 2			mm ²	1 x 25
			mm ²	2 x 10
Nounting 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	1
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	1.6
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
C/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 l 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)

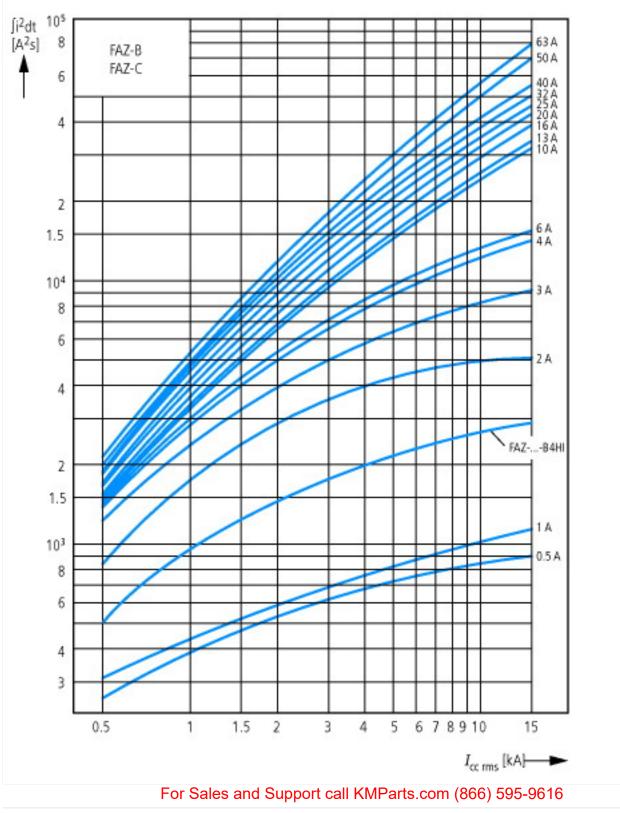
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

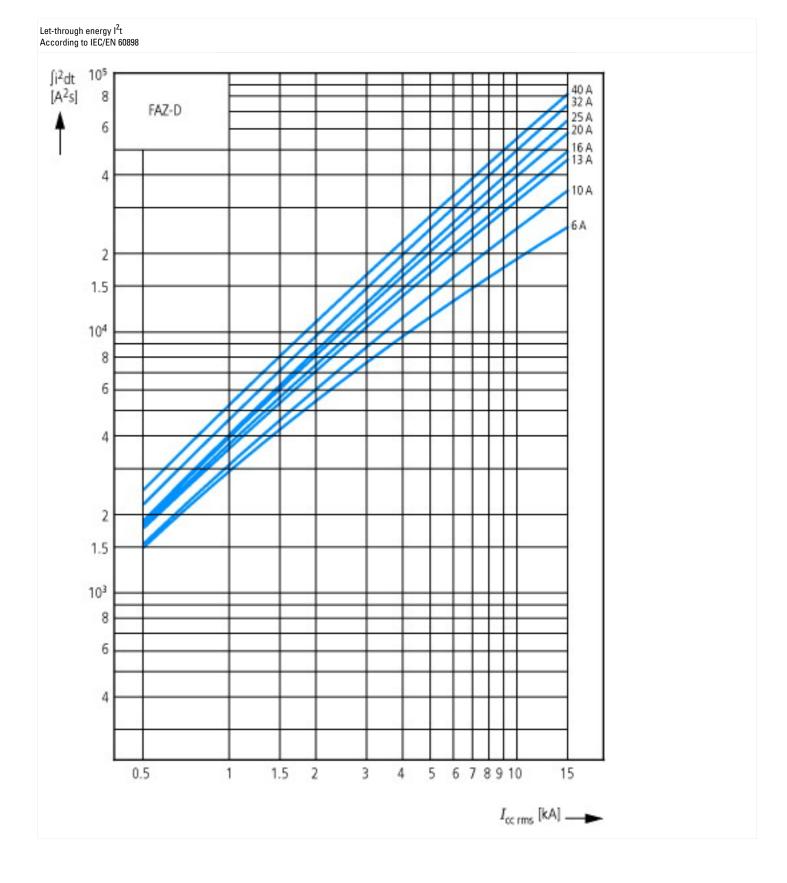
[AAD303011]/		
Release characteristic		C
Number of poles (total)		1
Number of protected poles		1
Nominal rated current	А	1
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Rated short-circuit 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		1
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP) For Sales and Support	t call KMPa	rts.com (866) 595-9616

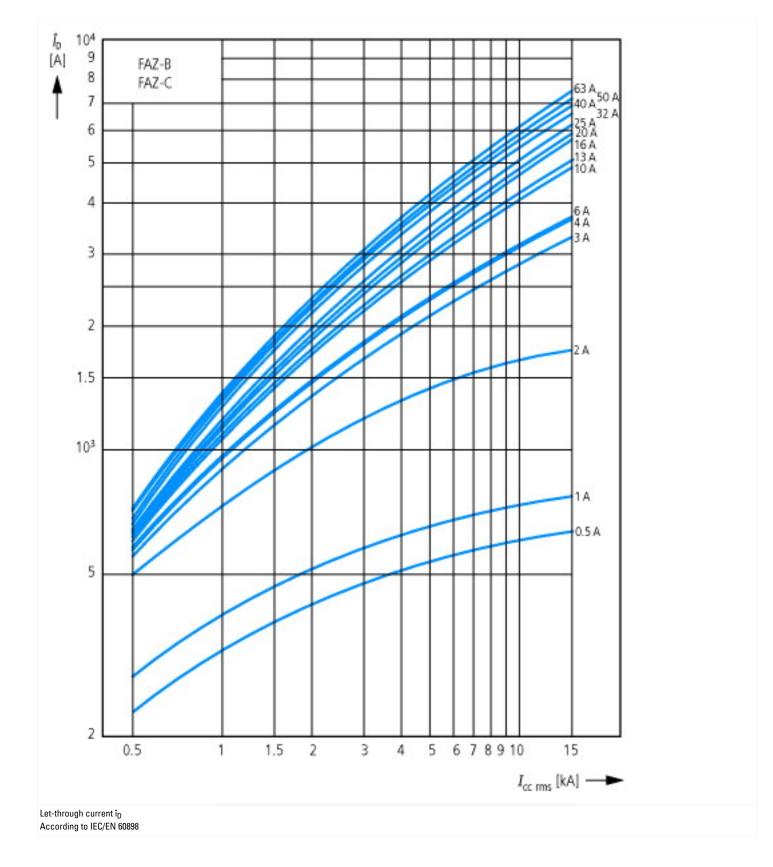
Approvals

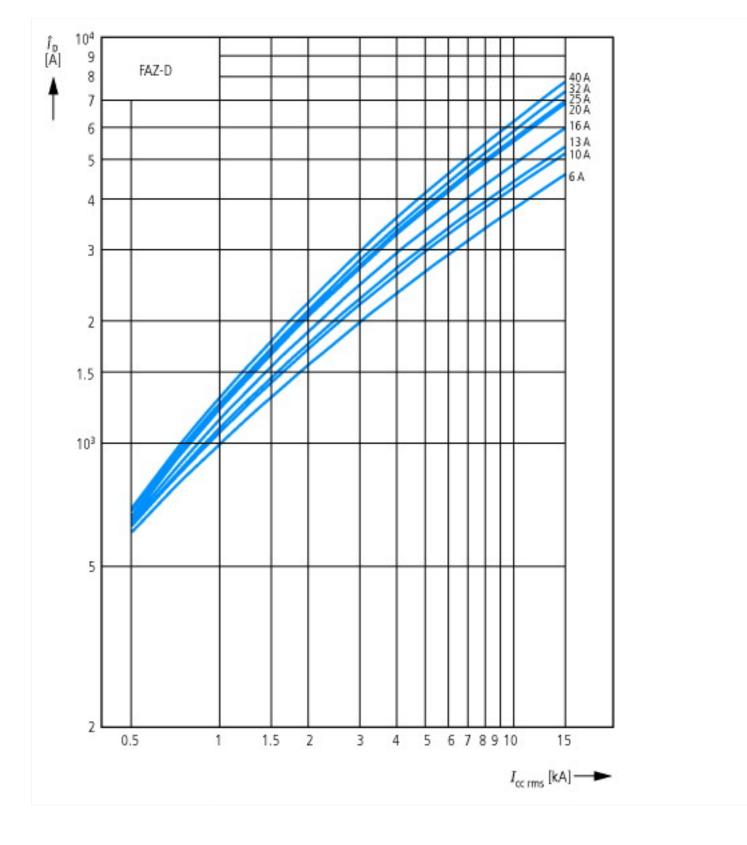
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

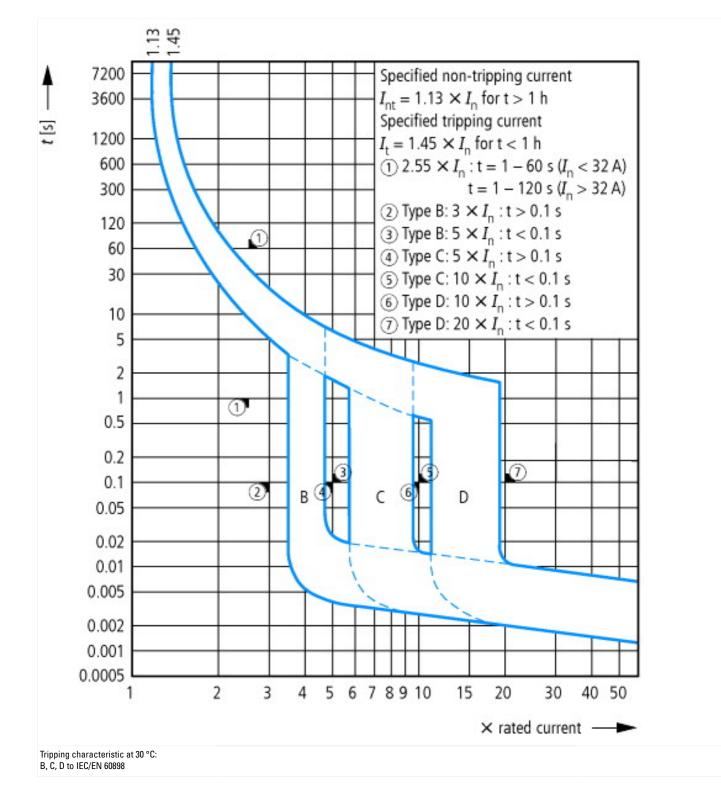
Characteristics



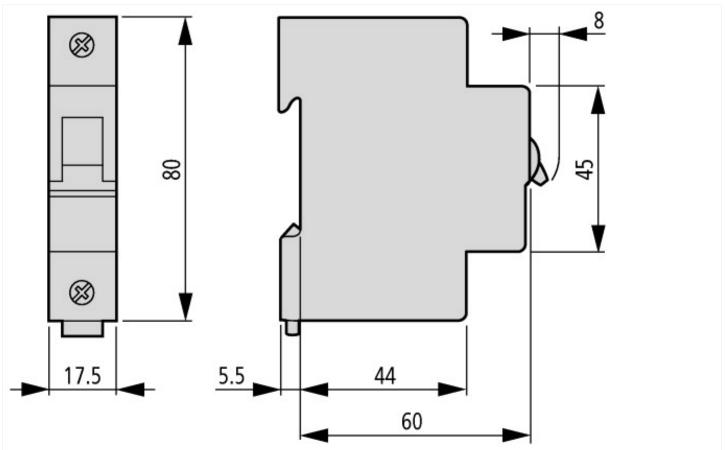








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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