



FAZ-B8/1 278530 FAZ-B8/1



Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	I _n	А	8
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data Electrical

Kine of the second se	Electrical			
Image: space of the space of	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Reta switching capacity acc. to IEC/EN 60947-2 K K K Derational switching capacity K 5. Characteristic K 8.0 8.0 Characteristic K 8.0 8.0 Max back-up fuse Y 8.0 9.0000 Selectivity Class Y Y 9.0000 Direction of incoming supply Y Y Y Machard functioning supply Y Y Y Selectivity Class Y Y Y Y Selectivity Class Y <td></td> <td>U_e</td> <td>V AC</td> <td>240/415</td>		U _e	V AC	240/415
Qerational solutionKaKaSCharacteristicKaKaKaCharacteristicKaKaKaMax.back-up fuseKaKaKaSelectivity ClassNerrorNerrorNerrorDirection of incoming supplyNerrorNerrorNerrorDirection of incoming supplyNerrorNerrorNerrorStadard funct dimensionNerrorNerrorNerrorEnclosure heightNerrorNerrorNerrorManing supplyNerrorNerrorNerrorMathematicNerrorNerrorNerrorStadard funct dimensionNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathematicNerrorNerrorNerrorMathema			V DC	60 (per pole)
CharacteristicNoRefue <td>Rated switching capacity acc. to IEC/EN 60947-2</td> <td></td> <td>kA</td> <td>15</td>	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
As back-up fuse Ag Lyd Ag Lyd Io Selectivity Class 0 3 3 Lifespan Operations 1000 3 3 Direction of incoming supply Operations 1000 3 3 Machard find mension main Selectivity Class Selectivity	Operational switching capacity		kA	7.5
Selectivity ClassImage: Selectivity Class	Characteristic			B, C, D
LifespanOperationsJond1000Direction of incoming supplySer quiredser quiredMechanicalser quiredSer quiredStandard front dimensionImageMonEnclosure heightImageMonTorminal protectionImageImageMounting width per poleImageImageMountingImageImageDegree of ProtectionImageImageTerminal stop and bottomImageImageTerminal capacitiesImageImageTerminal capacitiesImageImage	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Mechanical srequired Standard front dimension m 4 Enclosure height m 80 Terminal protection m finger and back-of-hand proof to BGV A2 Mounting width per pole m 15. Mounting M 15. Degree of Protection M 10. Terminal top and bottom M 12. Terminal capacities mm ² 12.	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 9	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm0Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per poleMm1.5MountingEC/EN 60715 top-hat railDegree of ProtectionMm120, 140 (when fitted)Terminals top and bottommm²1.5Terminal capacitiesmm²1.5Interminationmm²1.25 </td <td>Direction of incoming supply</td> <td></td> <td></td> <td>as required</td>	Direction of incoming supply			as required
Enclosure height mm B0 Terminal protection File File and back-of-hand proof to BGV A2 Mounting width per pole Mm 1.5 Mounting File File CEN 60715 top-hat rail Degree of Protection File File Dip Mounting Terminal capacities File File Mounting Terminal capacities File File Mounting Intermination File File Mounting Terminal capacities File File Mounting Intermination File File Intermination <td< td=""><td>Mechanical</td><td></td><td></td><td></td></td<>	Mechanical			
Terminal protectionImage: Base of the second se	Standard front dimension		mm	45
Mounting width per pole mm 1.5 Mounting IC/EN 60715 top-hat rail Degree of Protection ICI ICI Parlo (when fitted) Terminals top and bottom ICI Twin-purpose terminals Terminal capacities Imm ² Imm ² Intermediation Imm ² Imm ² Intermediation Imm ² Imm ² Intermediation Imm ² Imm ²	Enclosure height		mm	80
Mounting IC/EN 60715 top-hat rail Degree of Protection P20, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Terminal capacities Imm2 Imm2 Imm2	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection P20, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Terminal capacities Imm ²	Mounting width per pole		mm	17.5
Terminals top and bottom Terminals top and bottom Twin-purpose terminals Terminal capacities mm ² Imm ²	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² 1x 25 mm ² 2x 10 Thickness of busbar material mm 08 2	Degree of Protection			IP20, IP40 (when fitted)
Image: market in the second	Terminals top and bottom			Twin-purpose terminals
Image: market index	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	I _n	А	8
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.1
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 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)

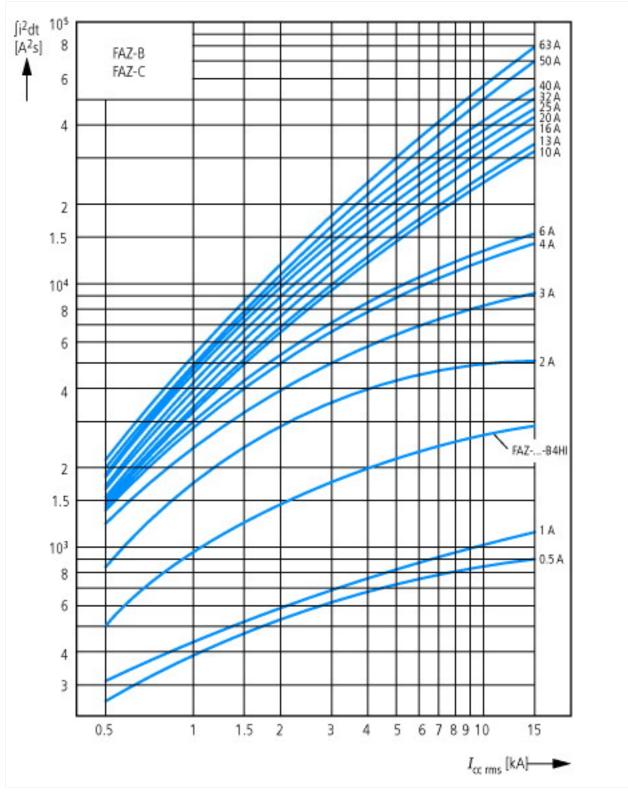
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

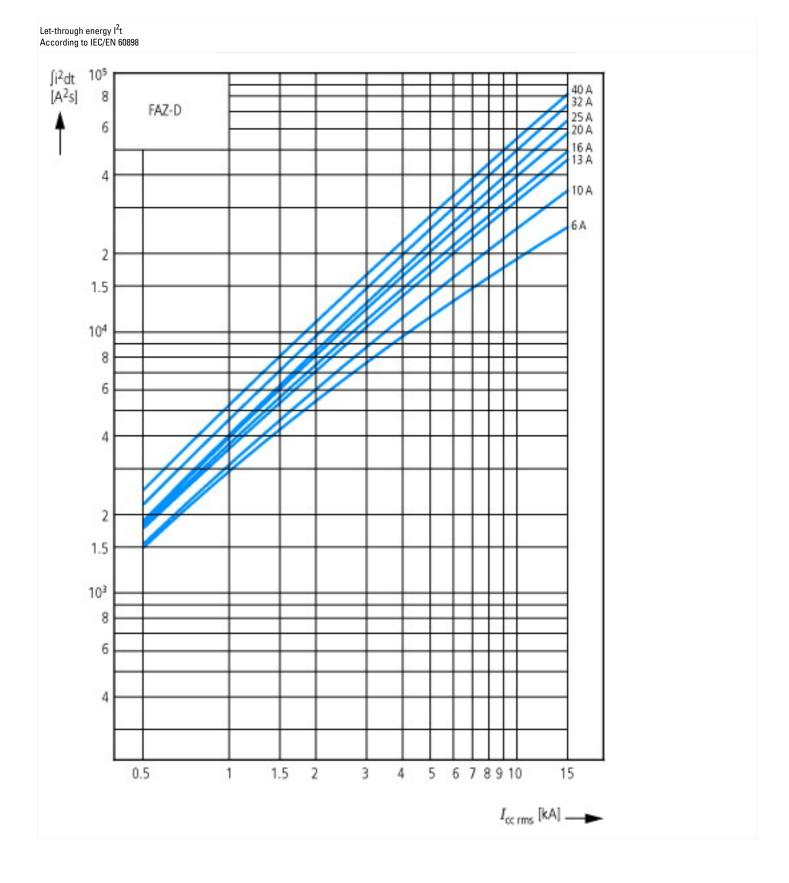
[, 1, 12, 00, 00, 11])		
Release characteristic		В
Number of poles (total)		1
Number of protected poles		1
Nominal rated current	А	8
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Rated short-circuit 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)		IP20

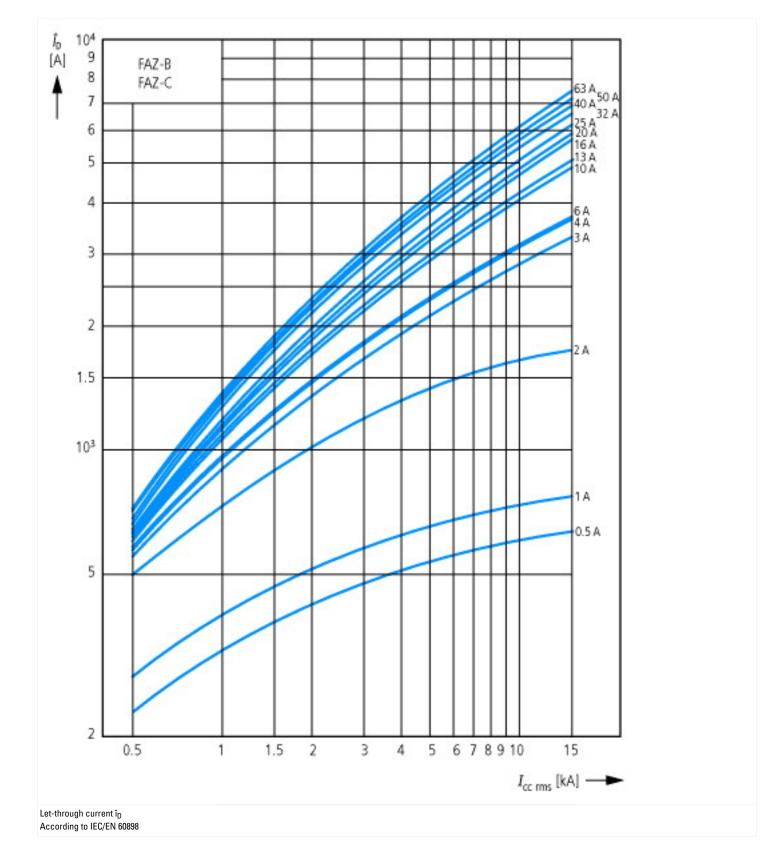
Approvals

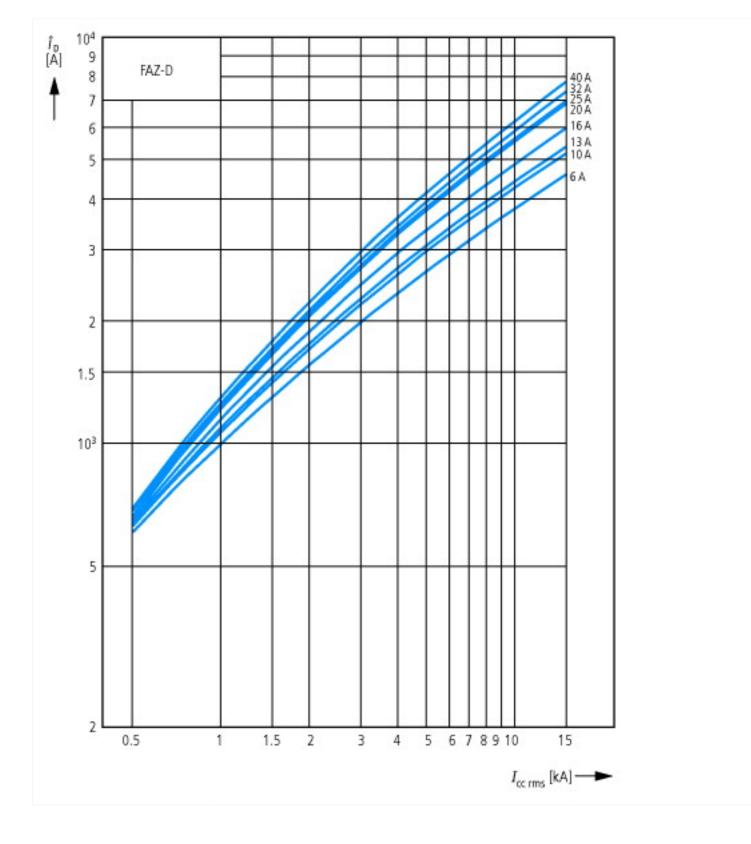
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

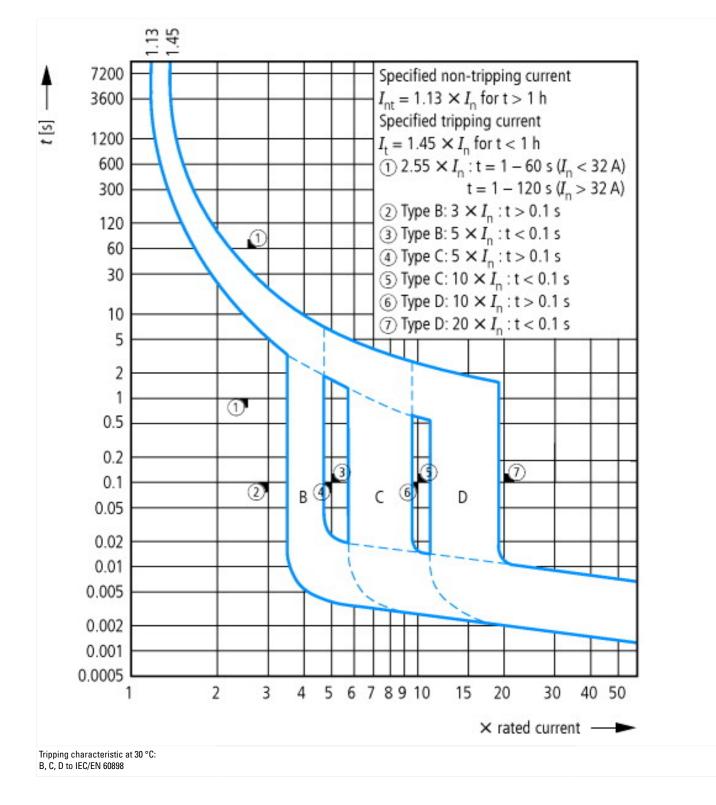
Characteristics



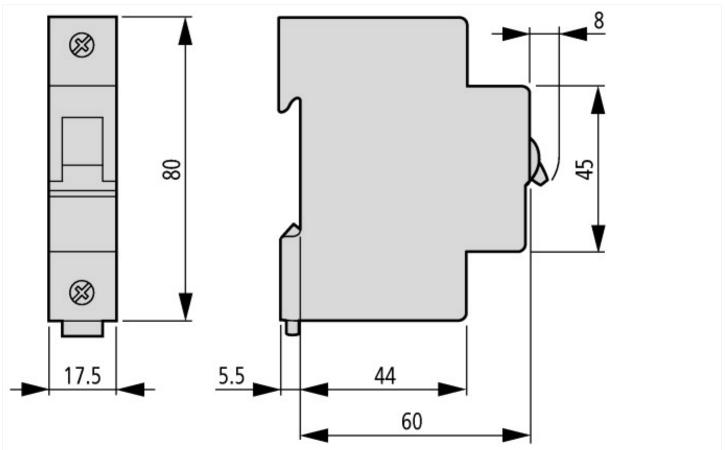








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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