



FAZ-B63/1 278541 FAZ-B63/1



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	63
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data Electrical

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Image: space s	Standards			
Index servicesVDCServicesRed switching capacity cac. to EC/EN 60947-2Ka5Operational switching capacityKa5ObscatceristicKa5Max. back-up fuseKa5Selectivity ClassVerationsSelectivityDirection of incoming supplyVerationsselectivityMechanicalVerationsselectivityMechanicalVerationsselectivityStandard ford timensionMaxSelectivityRedissionMaxSelectivityMountingMaxSelectivityNouringMaxSelectivityRemain all protectionMaxSelectivityRemain all protectivityMax<	Rated operational voltage	U _e	V	
Retes witching capacity acc. to IEC/EN 6094-2 K K K Querational switching capacity K S S Characteristic K K S Max back-up fuso K K S Selectivity Class S S S Lifespan Operational Y S S Notechanical Operational Y S S S Retender of incoming supply Operational Y S		U _e	V AC	230/400
Qerational solutionKaKaSolutionCharacteristicA gl/GB(D)Max. back-up fuseA gl/GB(D)Selectivity ClassDeratorB(D)Direction of inoming supplyNoarouredDirection of inoming supplyMaxB(D)Actard fund timensionMaxB(D)Andard fund timensionMaxB(D)Analysis ClassMaxSolutionMathematicationMaxB(D)Analysis ClassMaxSolutionAnalysis ClassMaxS			V DC	48 (per pole)
CharacteristicResponseR	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
As back-up fuse AgLya AgLya Index Selectivity Class Operations 1000 1000 Lifespan Operations 1000 1000 Brechanical Image: Selectivity Class 1000 1000 Mechanical Image: Selectivity Class Image: Selectivity Class 1000 1000 Standard front dimension Image: Selectivity Class Image:	Operational switching capacity		kA	7.5
Selectivity ClassAppendix of the selection of incoming supplyAppendix of the selection of incoming supplySelection o	Characteristic			B, C, D
Liespan Operations >10000 Direction of incoming supply Servired servired Mechanical servired Servired Standard front dimension Image Mon Enclosure height Image Mon Terminal protection Image Mon Mounting width per pole Image Image Mounting Image Image Degree of Protection Image Image Terminal stop and bottom Image Image Terminal capacities Image <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 Image: Sequired sequired Mechanical sequired sequired Standard front dimension Image: Sequired Sequired Enclosure height Image: Sequired Sequired Terminal protection Image: Sequired Sequired Mounting width per pole Image: Sequired Sequired Degree of Protection Image: Sequired Sequired Terminal stop and bottom Image: Sequired Sequired Terminal capacities Image: Sequired Sequired Image: Sequired Sequ	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 6 mm 6<	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm0Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingIC/EN 60715 top-hat railDegree of ProtectionICmmTerminals top and bottommmimin-purpose terminalsTerminal capacitiesmmmmInterminationmmimin-purpose terminalsInterminationmmimin-purpose terminalsInterminationmmimin-pu	Direction of incoming supply			as required
Enclosure height mm Bod Bod 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 Figer and back-of-hand proof to BGV A2 Degree of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Protection Figer and back-of-hand proof to BGV A2 Figer and back-of-hand proof to BGV A2 Terminal copy of Proof to BGV A	Mechanical			
Terminal protectionImage: Single and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingECKN 60715 top-hat railDegree of ProtectionMm120, IP40 (when fitted)Terminals top and bottommm²Tom; purpose terminalsTerminal capacitiesmm²120, IP40 (when fitted)Letter of the servicemm²120, IP40 (when fitted)Terminal capacitiesmm²120, IP40 (when fitted)Letter of the servicemm²120, IP40 (when fitted) <t< td=""><td>Standard front dimension</td><td></td><td>mm</td><td>45</td></t<>	Standard front dimension		mm	45
Mounting width per polemm1.5MountingMm1.5MountingICEN 60715 top-hat railDegree of ProtectionICICTerminals top and bottomICICTerminal capacitiesmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²Intermediationmm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im²IntermediationIm²Im² <t< td=""><td>Enclosure height</td><td></td><td>mm</td><td>80</td></t<>	Enclosure height		mm	80
Mounting Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Image: Sector	Mounting width per pole		mm	17.5
Terminals top and bottom Image: margin mar	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: margin m Margin margin marg	Terminals top and bottom			Twin-purpose terminals
Image:	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	63
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	5.2
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
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)

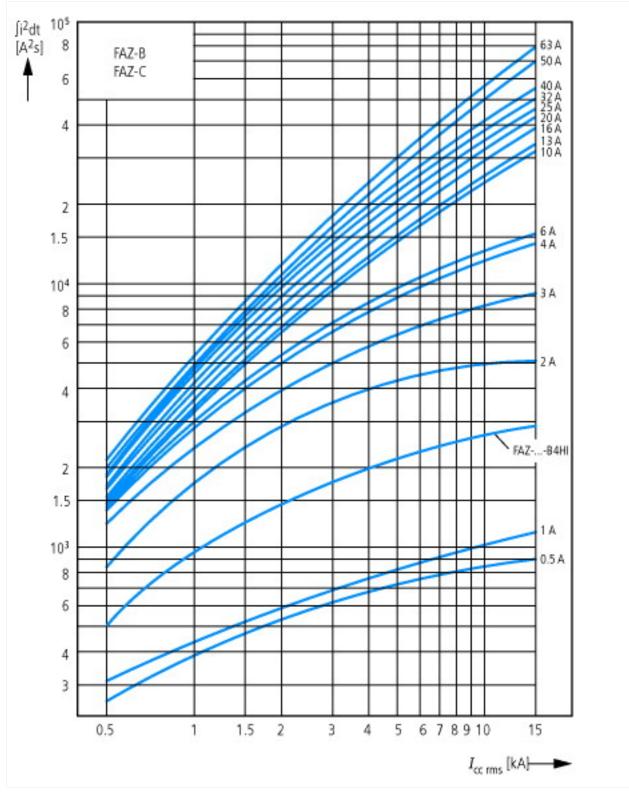
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

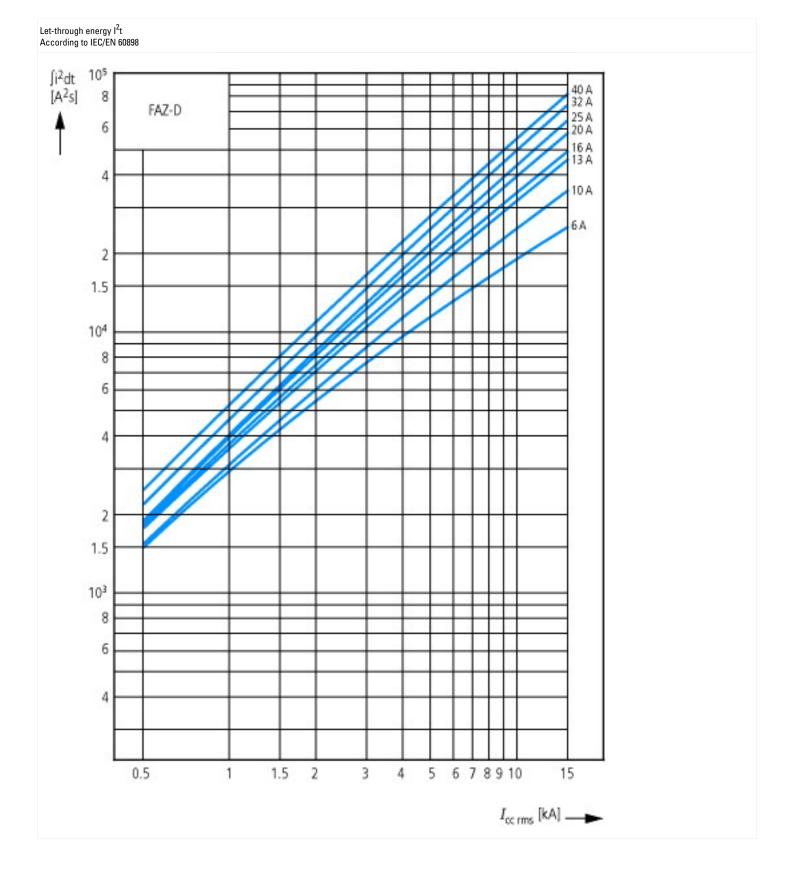
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Release characteristic		В
Number of poles (total)		1
Number of protected poles		1
Nominal rated current	А	63
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 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

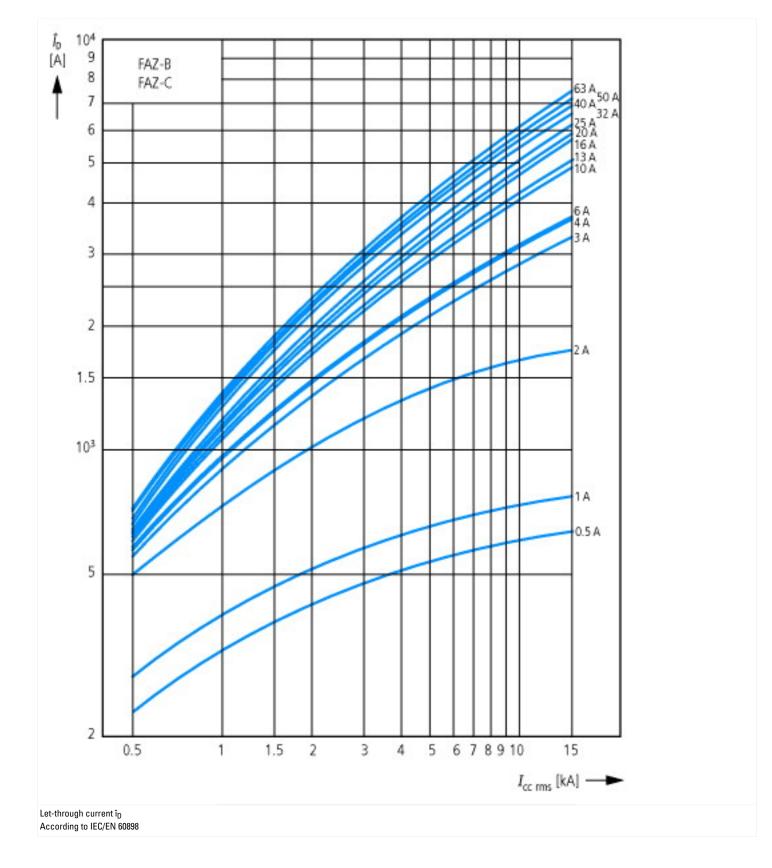
Approvals

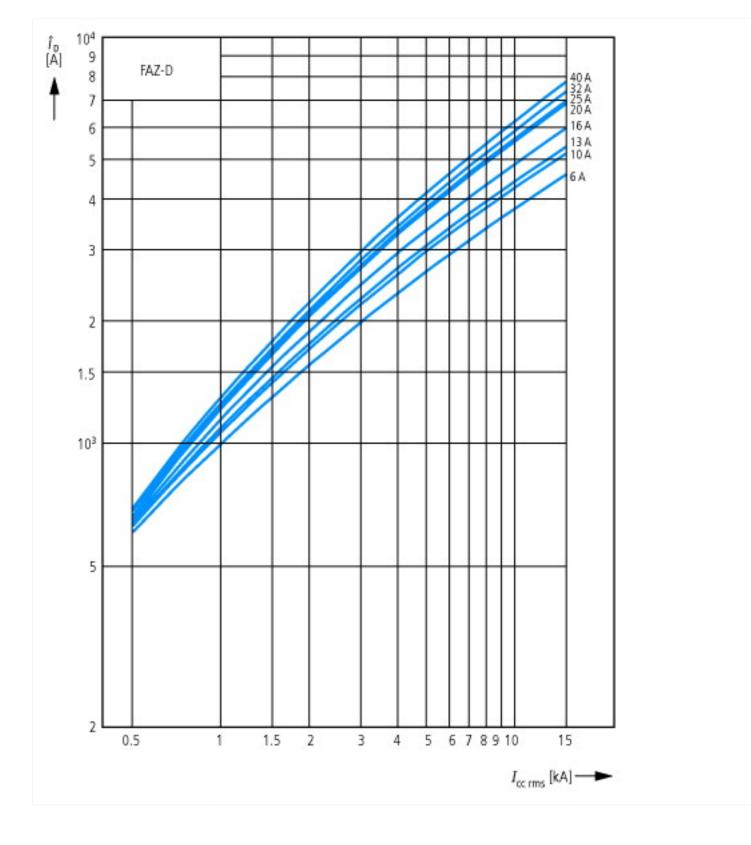
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

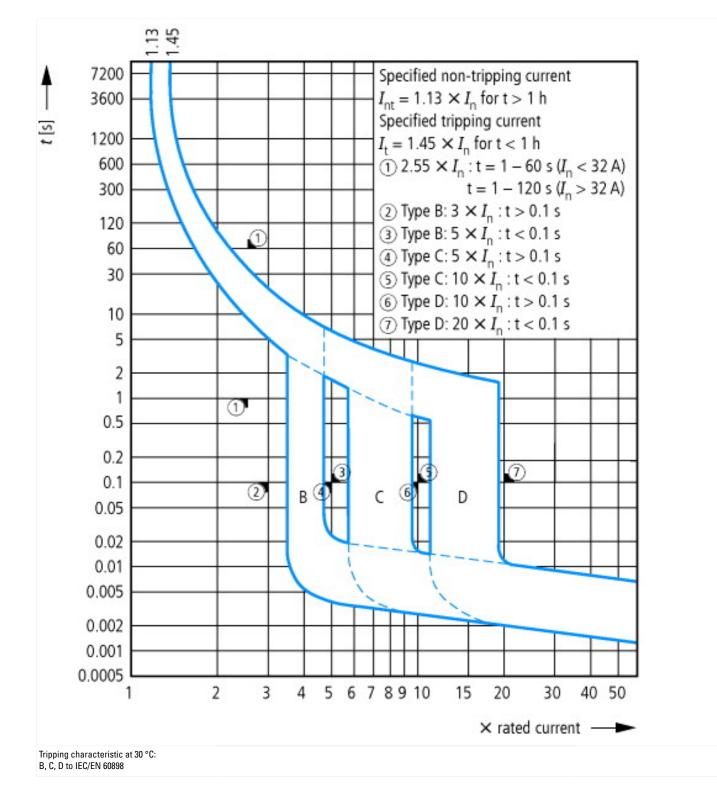
Characteristics



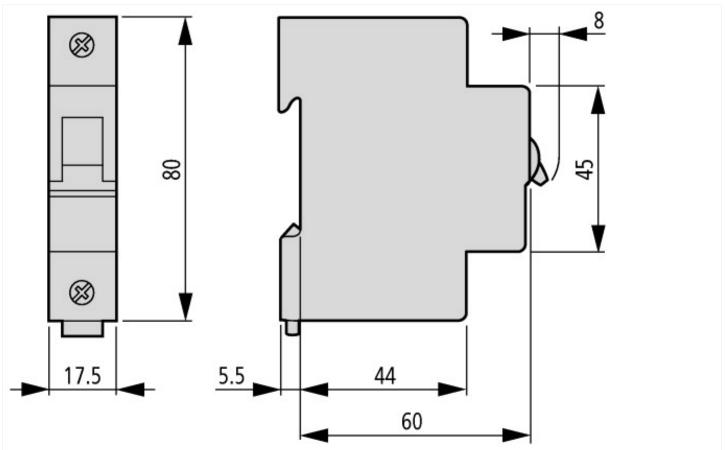








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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