



FAZ-B15/1 278534 FAZ-B15/1



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

Technical data Electrical

Refer Refer <th< th=""><th>Electrical</th><th></th><th></th><th></th></th<>	Electrical			
Image: space s	Standards			
Index servicesIndex	Rated operational voltage	U _e	V	
Rade switching capecity CINE D/CPN 600947-2KKSOperational switching capecityKKKCharacteristicKKKCharacteristicKKKSelectivity ClassCSSLifespanOperationsVKSDirection of incoming supplyVNSSMechanicalMMSSEnclosure heightMMSSMounding of ProtectionMMSSDirection of orconding capecityMSSMoundingMMSSDerenderionMMSSMounding CapecityMMSSDerenderionMMSSTerminal schop durb durb durb durb durb durb durb durb		U _e	V AC	230/400
Appendional switching capacityIAIAIACharacteristicIIIIMax back-up fuseA gl/glIIISelectivity ClassIIIIIDirection of incoming supplyII <td></td> <td></td> <td>V DC</td> <td>48 (per pole)</td>			V DC	48 (per pole)
Characteristic Partenti <td< td=""><td>Rated switching capacity acc. to IEC/EN 60947-2</td><td></td><td>kA</td><td>15</td></td<>	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Agkage Agkage Is Selectivity Class Per ations 100 Lifespan > 1000 1000 Direction of incoming supply > 1000 1000 Wechanical	Operational switching capacity		kA	7.5
Selectivity Class Mark Mark <td>Characteristic</td> <td></td> <td></td> <td>B, C, D</td>	Characteristic			B, C, D
Instant Sector Operations Image: Sector Sector Direction of incoming supply Image: Sector Image: Sector Image: Sector Mechanical Image: Sector Image: Sector Image: Sector Standard front dimension Image: Sector Image: Sector Image: Sector Enclosure height Image: Sector Image: Sector Image: Sector Image: Sector Mounting width per pole Image: Sector Image: Sector Image: Sector Image: Sector Mounting Image: Sector Image: Sector Image: Sector Image: Sector Degree of Protection Image: Sector Image: Sector Image: Sector Terminal capacities Image: Sector Image: Sector Image: Sector Terminal capacities Image: Sector Image: Sector Image: Sector Image: Sector Image: Sector Image: S	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Vechanical srequired Standard front dimension mm 4 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. Terminal capacities mm 12. Interminal capacities mm <t< td=""><td>Selectivity Class</td><td></td><td></td><td>3</td></t<>	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 8 Enclosure height mm 80 Terminal protection mm 1iger and back-of-hand proof to BGV A2 Mounting width per pole mm 15. Pogree of Protection Ferminals top and bottom Ferminals top and bottom Ferminals apacities Terminal capacities mm ² 12. Twin-purpose terminals International protection mm ² 12. Standard (when fitted) Terminal capacities mm ² 12. Standard (when fitted) International protection mm ² 12. Standard (when fitted) Terminal capacities mm ² 12. Standard (when fitted) International protection mm ² 12. Standard (when fitted)	Lifespan	Operations		> 10000
Standard front dimension imm 4 Enclosure height imm 80 Terminal protection imm Finger and back-of-hand proof to BGV A2 Mounting width per pole imm 1.5 Degree of Protection imm imm Terminals top and bottom imm imm Terminal capacities imm imm Imm imm imm Muther sole imm imm Imm imm imm	Direction of incoming supply			as required
Enclosure height mm Bod Terminal protection Figer and back-of-hand proof to BGV A2 Mounting width per pole Figer and back-of-hand proof to BGV A2 Mounting Figer and back-of-hand proof to BGV A2 Degree of Protection Figer and back-of-hand proof to BGV A2 Terminal stop and bottom Figer and back-of-hand proof to BGV A2 Terminal capacities Figer and back-of-hand proof to BGV A2 Terminal capacities Figer and back-of-hand proof to BGV A2 Terminal capacities Figer and back-of-hand proof to BGV A2 Terminal capacities Figer and back-of-hand proof to BGV A2 Terminal capacities Figer and back-of-hand proof to BGV A2 Interminal capacities Figer and F	Mechanical			
Terminal protectionImage: Biger and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingIC/EN 60715 top-hat railDegree of ProtectionImage: Biger and back-of-hand proof to BGV A2Terminals top and bottomImage: Biger and Bige	Standard front dimension		mm	45
Mounting width per pole mm 1.5 Mounting EC/EN 60715 top-hat rail Degree of Protection Ferminals top and bottom Ferminals top and bottom Terminal capacities mm² fwin-purpose terminals Imm² 1.25 standard stand	Enclosure height		mm	80
Mounting IC/EN 60715 top-hat rail Degree of Protection F20, IP40 (when fitted) Terminals top and bottom Imm ² Terminal capacities Imm ²	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Fead P20, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Twin-purpose terminals Terminal capacities mm ² Imm ²	Mounting width per pole		mm	17.5
Terminals top and bottom Image: second sec	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² Imm ²	Degree of Protection			IP20, IP40 (when fitted)
Image: margin m Margin margin marg	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	In	А	15
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 b 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)

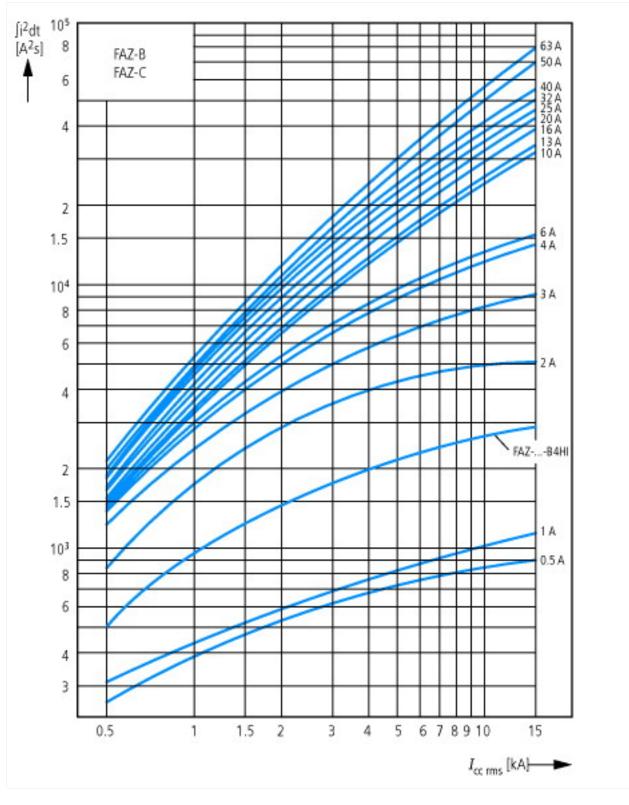
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

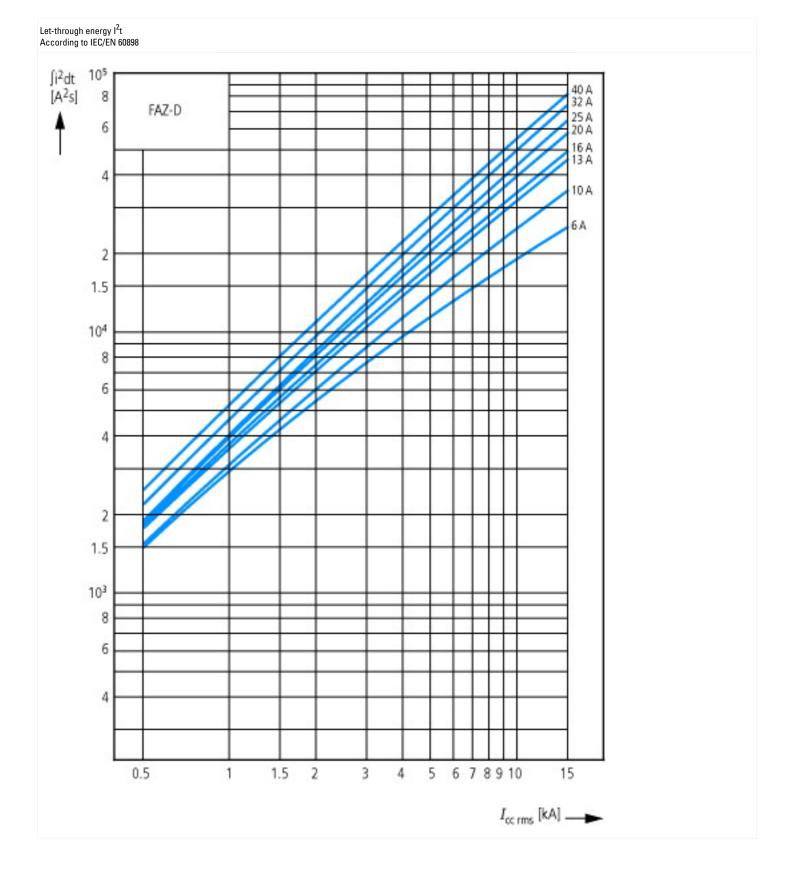
[/ # (2000111)		
Release characteristic		В
Number of poles (total)		1
Number of protected poles		1
Nominal rated current	А	15
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Rated short-circuit 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

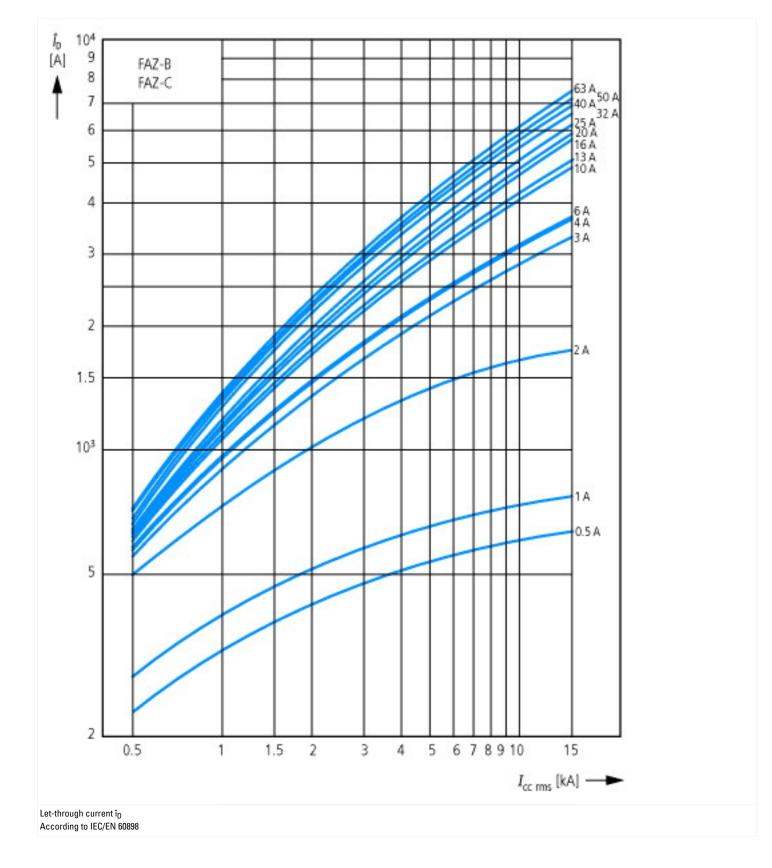
Approvals

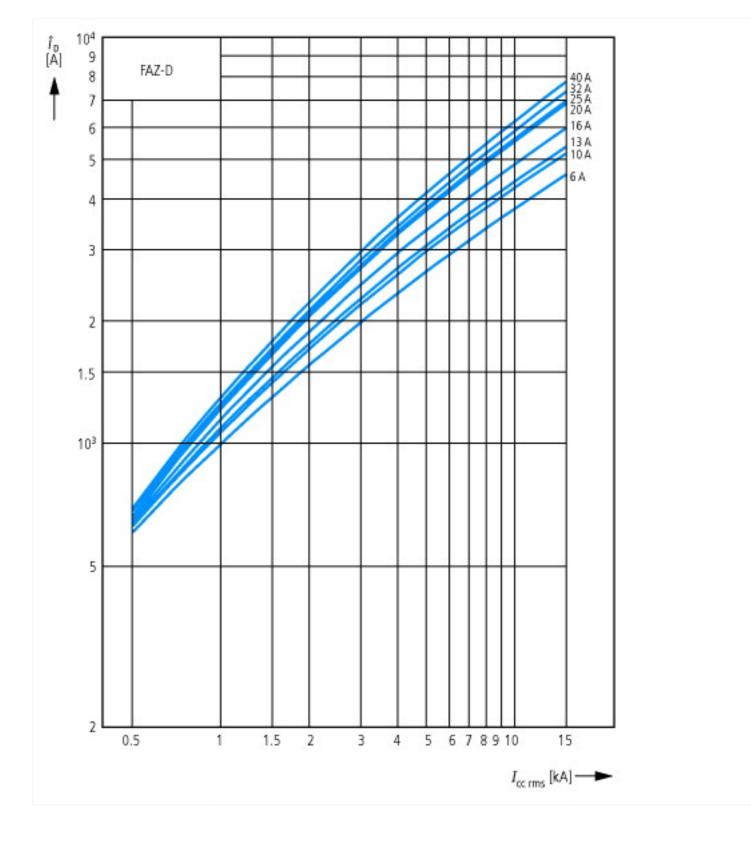
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

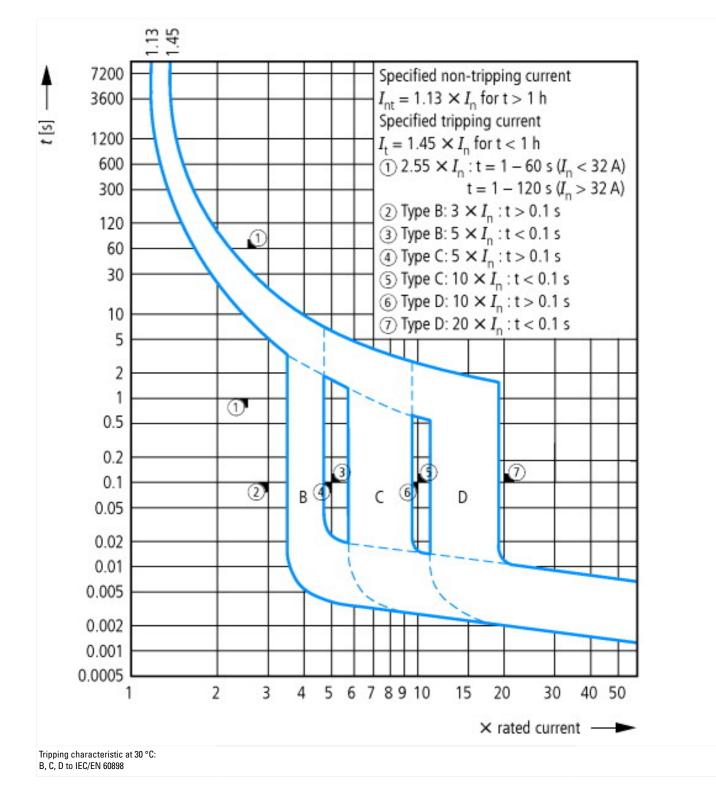
Characteristics



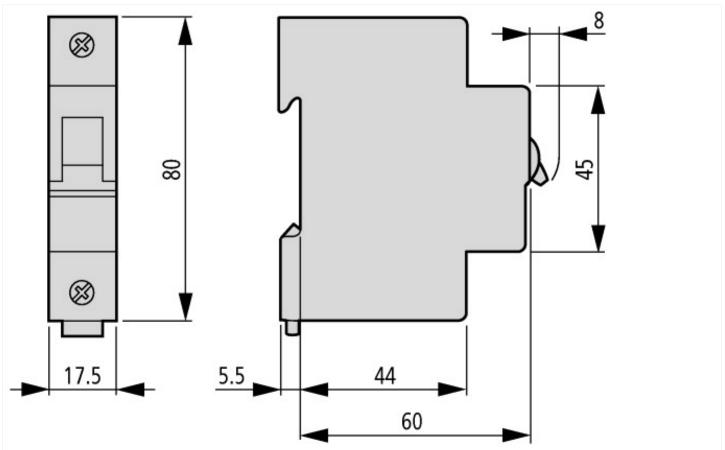








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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