

Over current switch, 13A, 1p, B-Char, AC



FAZ-B13/1 278533 FAZ-B13/1



Similar to illustration

Delivery programme

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	13
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data Electrical

Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation And operational workspace Vector	ciecuicai			
Image: space s	Standards			
Index space of the space of	Rated operational voltage	U _e	V	
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Appendix and set of the set			V DC	48 (per pole)
CharacteristicNoSecond Second S	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Aging Aging Decision Aging Decision Decision Decision Decision Selectivity Class Selecitity Class Selec	Operational switching capacity		kA	7.5
Selectivity Class Perations image: selectivity Class 3 Lifespan Perations > 1000 srequired Direction of incoming supply se required se required Mechanical mm 5 Standard front dimension mm 6 Enclosure height mm 1000 Terminal protection mm 1000 Mounting width per pole mm 1000 Degree of Protection FM 1000 Terminal capacities mm 1000 <td>Characteristic</td> <td></td> <td></td> <td>B, C, D</td>	Characteristic			B, C, D
Lifespan Operations > 0000 Direction fincoming supply arequired Mechanical max sequired Standard front dimension max Solution Enclosure height max finger and back-of-hand proof to BGV A2 Terminal protection max finger and back-of-hand proof to BGV A2 Mounting Max finger and back-of-hand proof to BGV A2 Mounting Max finger and back-of-hand proof to BGV A2 Degree of Protection Max finger and back-of-hand proof to BGV A2 Terminals top and bottom Max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and bottom max finger and back-of-hand proof to BGV A2 Terminals top and back-of-hand proof top BGV A2 finger and back-of-hand proof top BGV A2 Terminals top and ba	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Wechanical mm 4 Standard front dimension mm 6 Enclosure height mm 8 Terminal protection mm 6 Mounting width per pole mm 15. Mounting E/C/K 00715 top-hat rail E/C/K 00715 top-hat rail Degree of Protection mm ² 10. Terminal stop and bottom mm ² 10. Terminal capacities mm ² 10. Item management mm ² 10. Item management mm ² 10. Terminal capacities mm ² 10. Item management mm ² 10. Item management mm ² 10.	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 80 Enclosure height mm 80 Terminal protection mm Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Mounting IEC/EN 60715 top-hat rail IEC/EN 60715 top-hat rail Degree of Protection mm² Twin-purpose terminals Terminal capacities mm² 1×25 Itemperature mm² 2×10 Itekness of busbar material mm 8	Lifespan	Operations		> 10000
Standard front dimensionImm45Enclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per pole7.5MountingIEC/EN 60715 top-hat railDegree of ProtectionPol. P40 (when fitted)Terminals top and bottommm²Terminal capacitiesmm²Leminal capacitiesmm²Leminal capacitiesmm²Leminals125Mountingmm²Leminalsmm² <td< td=""><td>Direction of incoming supply</td><td></td><td></td><td>as required</td></td<>	Direction of incoming supply			as required
Enclosure height mm B Terminal protection Figer and back-of-hand proof to BGV A2 Mounting width per pole Mm 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 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 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 t	Mechanical			
Terminal protection image: marginal protection image: marginal protection Terminals top and bottom image: marginal protection image: marginal protection Terminals cop and bottom image: marginal protection image: marginal protection Terminal capacities image: marginal protection	Standard front dimension		mm	45
Mounting width per pole mm 17.5 Mounting IEC/EN 60715 top-hat rail Degree of Protection IEC/EN 60715 top-hat rail Terminals top and bottom Twin-purpose terminals Terminal capacities Imm ² Intermediation Imm ²	Enclosure height		mm	80
Mounting IEC/EN 60715 top-hat rail Degree of Protection IEC/EN 60715 top-hat rail Terminals top and bottom Immediate Terminal capacities Immediate Immediate Immediate	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 mm ² Imm ² 1 × 25 Imm ² 1 × 25 Terminals top so to busbar material mm ²	Mounting width per pole		mm	17.5
Terminals top and bottom Import Sector Sec	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² Imm ² 1x 25	Degree of Protection			IP20, IP40 (when fitted)
Image: minic Image: minic Image: minic	Terminals top and bottom			Twin-purpose terminals
Image: Constraint 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
Mounting position Ac required	Thickness of busbar material		mm	0.8 2
As required	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	13
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.5
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 l 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)

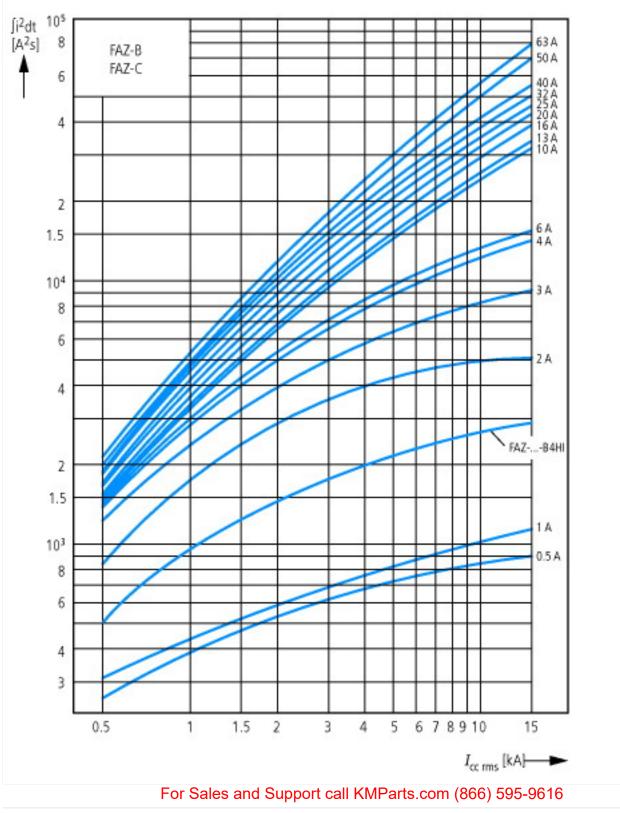
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

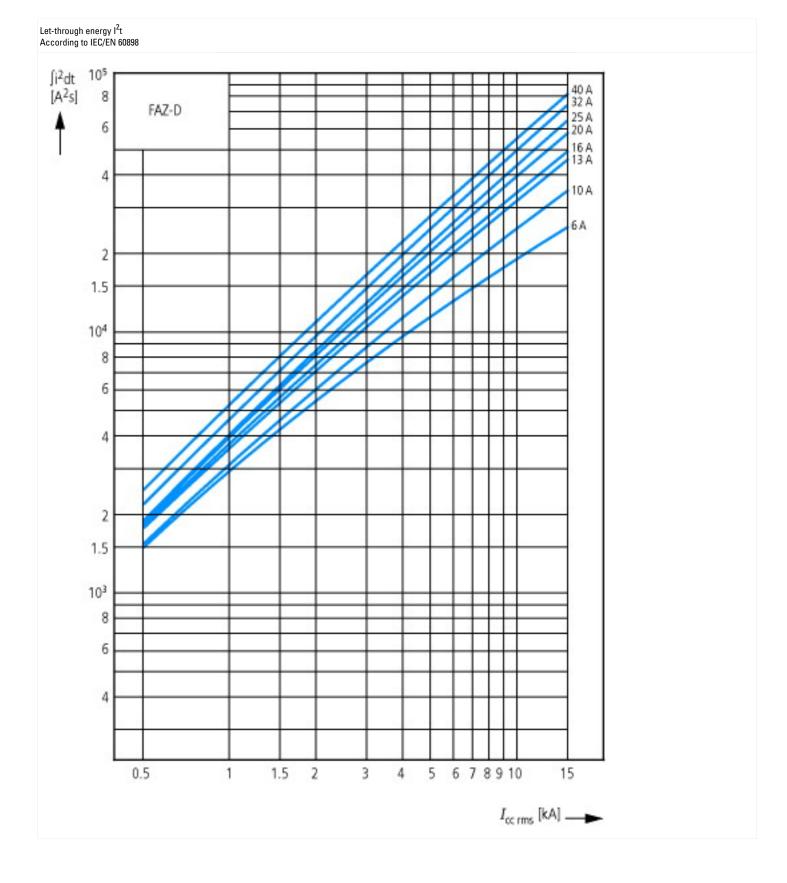
Release characteristic		В
Number of poles (total)		1
Number of protected poles		1
Nominal rated current	А	13
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Rated short-circuit breaking capacity 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)	call KMPar	ts com (866) 595-9616
For Sales and Support call KMParts.com (866) 595-9616		

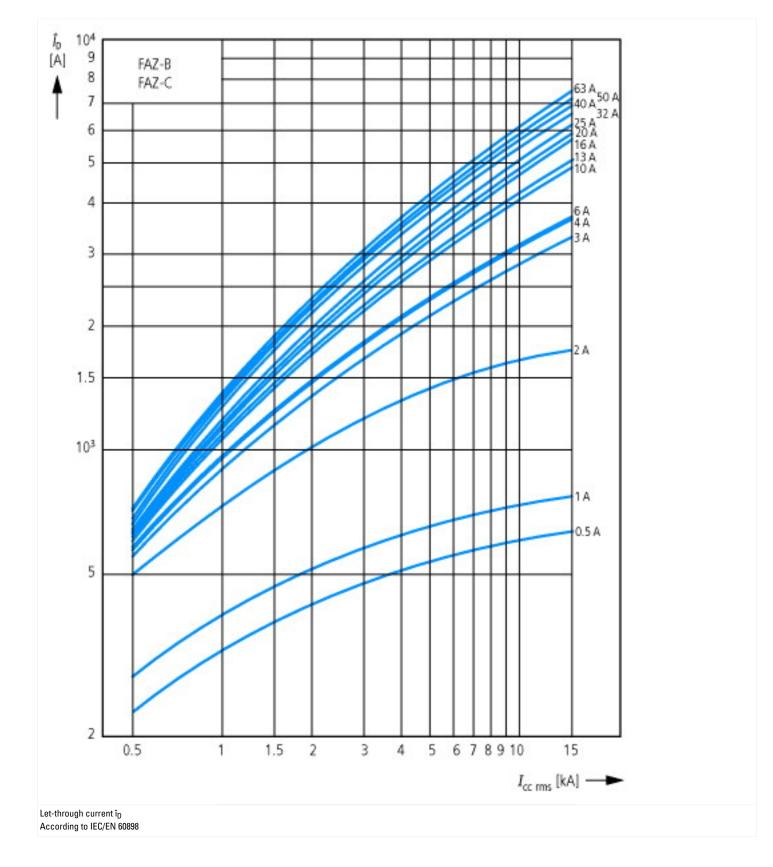
Approvals

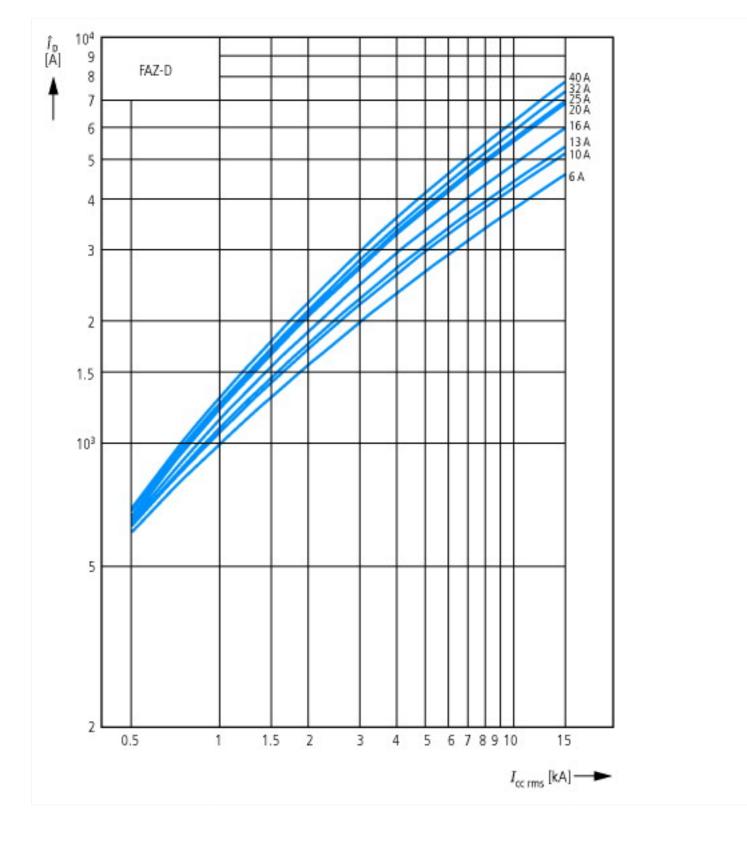
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

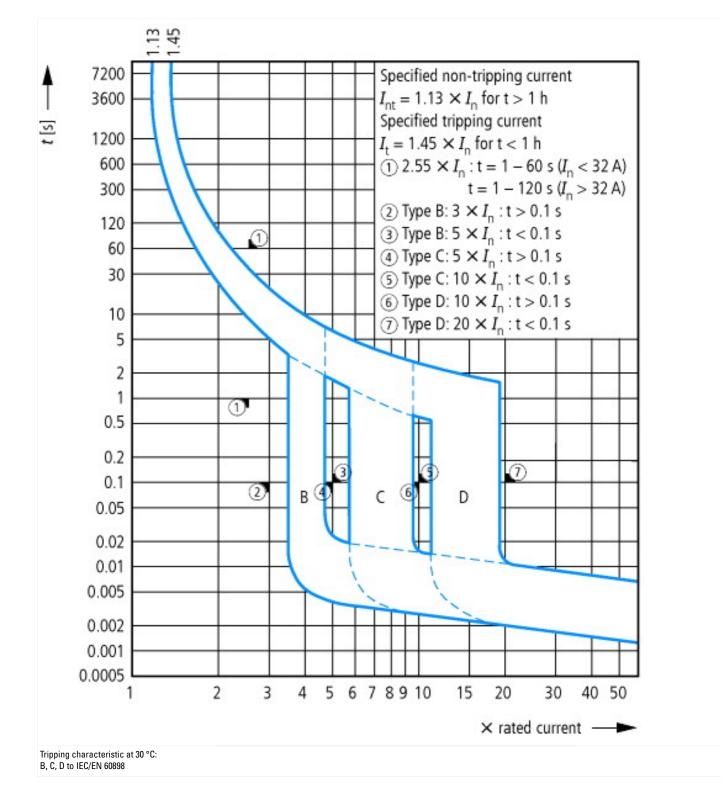
Characteristics



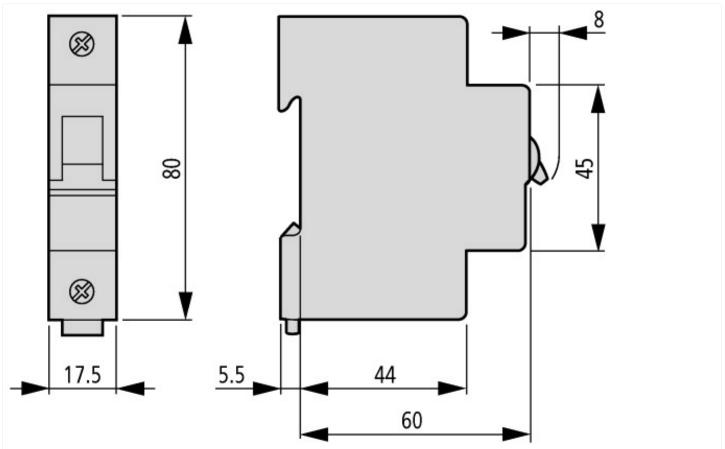








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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