



FAZ-D40/1 278588 FAZ-D40/1



Similar to illustration

Delivery programme

Basic function			Miniature circuit breakers
Number of poles			1 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	40
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

StandardsIIIIIRated operational voltageUVVVVRated operational voltageUVV				
Refer Refer Refer Refer Refer Refer Refer Rated operational voltage V V Subordian Control Subordian Contro	Electrical			
Image: space s	Standards			
Index space of the space of	Rated operational voltage	U _e	V	
And ad switching capacity CAN DEVAPSIONKKSOperational switching capacityKKKCharacteristicKKKKMax. back-up fuseKKKKSelectivity ClassVKKKDirection of incoming supplyVKKKMethanizationMMKKMarchanderKMKKMethanizationMMKKMethanizationMMKKMethanizationMMKKMouning with per poleKMKKMuning with per poleKMKKMuning with per poleKMKKMuning add bottomMMKKMuning add bottomMMKKMuning add bottomMMKKMuning add bottomMMKKMuning add bottomMMKKMarker add bottomMMKK <tr< td=""><td></td><td>U_e</td><td>V AC</td><td>230/400</td></tr<>		U _e	V AC	230/400
Appendix Appen			V DC	48 (per pole)
Characteristic Image: Partial State	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Max. back-up fuse A gL/g Factor Selectivity Class Operations 125 Selectivity Class 0 10000 Direction of incoming supply se reuried se reuried Weethanical max 6 Enclosure height max 6 Mounting width per pole max Figure and back-of-hand proof to BGV A2 Mounting Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Preminal protection max Figure and back-of-hand proof to BGV A2 Mounting Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Preminal stop and bottom Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Reminal capacities max Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Reminal capacities max Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Reminal capacities max Figure and back-of-hand proof to BGV A2 Figure and back-of-hand proof to BGV A2 Reminal capacities max Figure and back-of-hand proo	Operational switching capacity		kA	7.5
Selectivity Class Perations Image: Selectivity Class Image: Selectivity Class > 1000 Lifespan Selectivity Class sequired sequired Mechanical mm Image: Selectivity Class Selectivity Class Standard front dimension mm Image: Selectivity Class Selectivity Class Enclosure height mm Image: Selectivity Class Selectivity Class Mounting width per pole mm Image: Selectivity Class Selectivity Class Mounting Mm Selectivity Class Selectivity Class Mounting Mm Selectivity Class Selectivity Class Degree of Protection Mm Selectivity Class Selectivity Class Terminal capacities mm Selectivity Class Selectivity Class	Characteristic			B, C, D
Lifespan Operations >1000 Direction dincoming supply oser quired Mechanical ser quired Standard front dimension nm 4 Enclosure height nm 0 Terminal protection nm 1000 Mounting width per pole nm 1000 Mounting Nm 1000 Degree of Protection Nm 1000 Degree of Protection F 1000 Terminal stop and bottom Imm 1000 Terminal capacities Imm 1000 Terminal capacities Imm 1000 Information Imm 1000	Max. back-up fuse		A gL/gG	125
Direction of incoming supply is required Mechanical is required Standard front dimension im if a sequired Enclosure height im if a sequired Terminal protection im if a sequired Mounting width per pole im if a sequired Mounting im if a sequired Degree of Protection im if a sequired Degree of Protection im if a sequired Terminal stop and bottom im if a sequired Terminal capacities im if a sequired Immander immander immander Immander<	Selectivity Class			3
Mechanical mm 54 Standard front dimension mm 54 Enclosure height mm 60 Terminal protection mm 61 Mounting width per pole mm 15 Pogree of Protection Ferminals top and bottom Ferminal capacities mm ² Terminal capacities mm ² 120 120 Interminal capacities mm ² 120 120	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFinger and back-of-hand proof to BGV A2Degree of ProtectionFinger Albert anilTerminals top and bottomFinger and back of the dimensionTerminal capacitiesmm²Interminal capacitiesmm²Mounting1.25Mountingmm²Munting capacitiesmm²Munting capacities	Direction of incoming supply			as required
Enclosure height mm 80 Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Degree of Protection Finder Aufle Finder Aufle Terminals top and bottom Finder Aufle Finder Aufle Terminal capacities mm 1.5 1.5 Iterminal capacities mm 1.2 1.5 Iterminal capacities mm 1.				
Terminal protectionImage: semiclassical semicla	Standard front dimension		mm	45
Mounting width per pole mm 15 Mounting IC/EN 60715 top-hat rail IC/EN 60715 top-hat rail Degree of Protection IC Von purpose terminals Terminals top and bottom IC Imm Imm Terminal capacities Imm Imm Imm Imm International capacities Imm	Enclosure height		mm	80
Mounting Image: Color Book of the sector	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Poil (P20, IP40 (when fitted)) Terminals top and bottom Twin-purpose terminals Terminal capacities ma ² Image: Protection ma ²	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Market mar	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² Imm ² mm ² Imm ² 1×25 Imm ² 1×10 Imm ² 1×10 Imm ² 1×10	Degree of Protection			IP20, IP40 (when fitted)
Image: minicipation of the last of th	Terminals top and bottom			Twin-purpose terminals
Image: mining and mining an	Terminal capacities		mm ²	
Thickness of busbar material mm 0.82			mm ²	1 x 25
			mm ²	2 × 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	40
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	3.2
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 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)

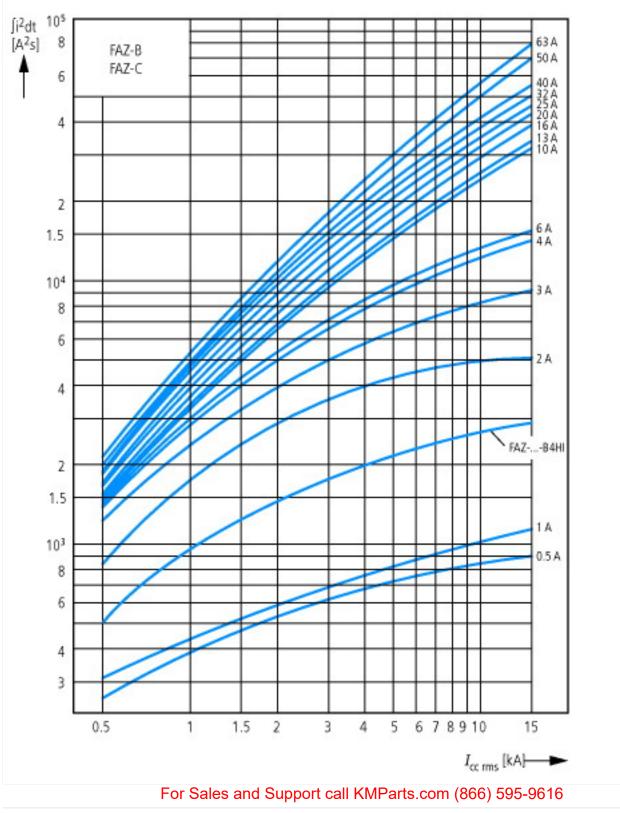
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

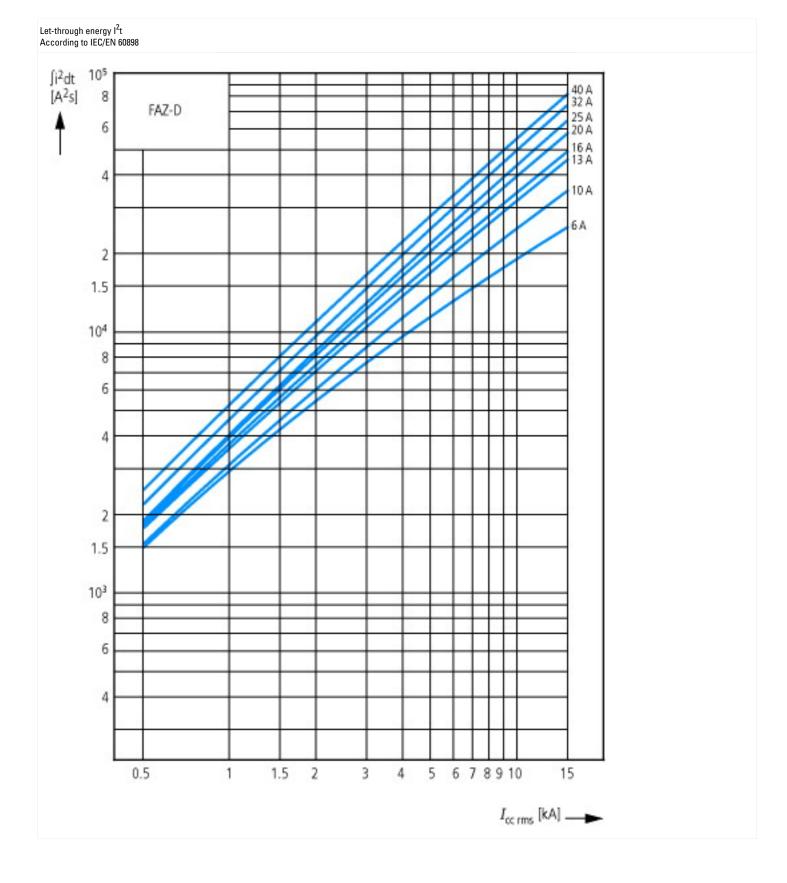
[779303011])			
Release characteristic		D	
Number of poles (total)		1	
Number of protected poles		1	
Nominal rated current	А	40	
Nominal rated voltage	v	230	
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10	
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10	
Rated short-circuit 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 call KMParts.com (866) 595-9616			

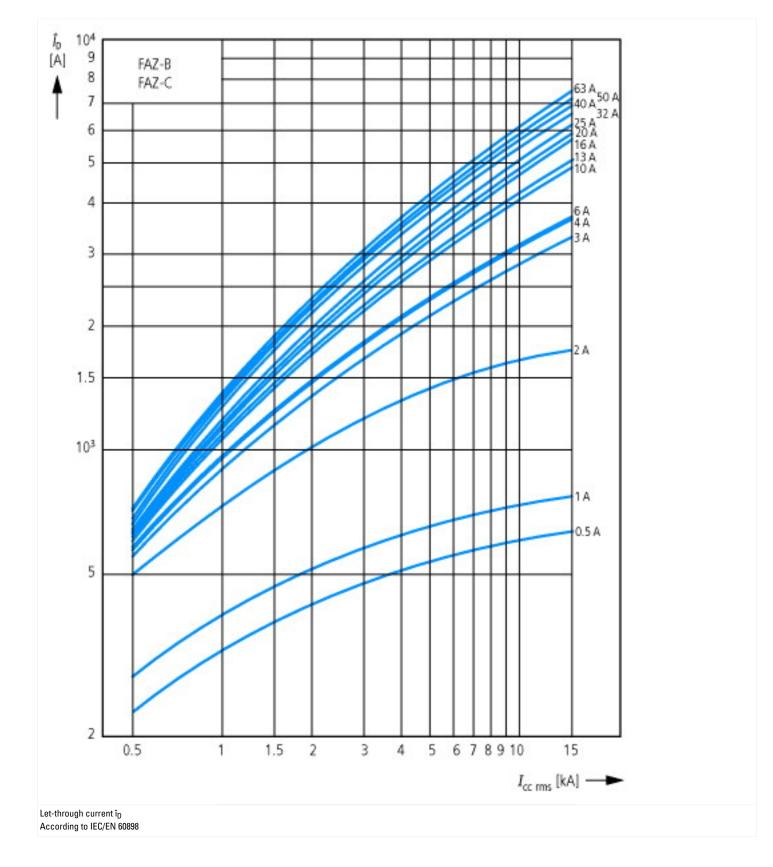
Approvals

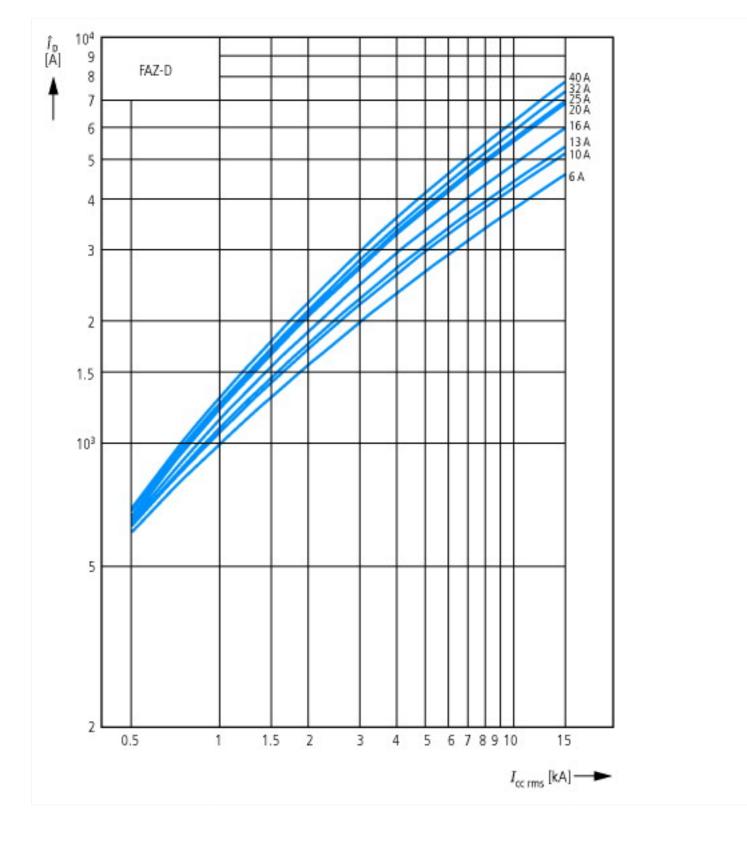
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

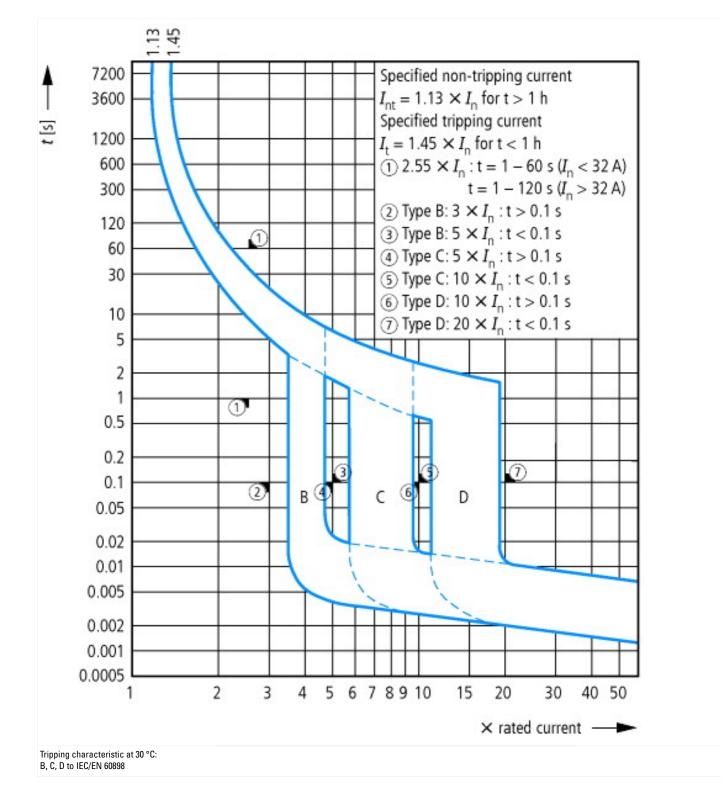
Characteristics



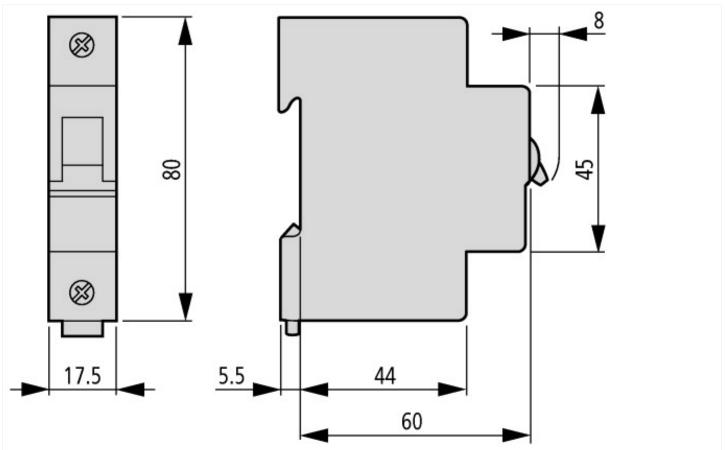








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

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