

Part no. Article no. Catalog No. FAZ-B15/1N 278647 FAZ-B15/1N



Similar to illustration

Delivery programme

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

Technical data

Shadards Image: Source of the state of t				
Act operational workingAct operational workingEXEX ResearchRead operational working capacity acts of EXEX Not operating capacity acts of EXEX Not operatin	Electrical			
Image: state strainNoNoNoRed switching capacity acc. to E/E/E00947-2Image: state strainImage: state strainImage: state strainOperational switching capacityImage: state strainImage: state strainImage: state strainObservationImage: state strainImage: state strainImage: state strainOperationImage: state strainImage: state strainImage: strainOperationImage: strainImage: strainImage: s	Standards			
Index spaceIndex spac	Rated operational voltage	U _e	V	
Refs witching capacity constraintsKeyKeyOperational switching capacityKey5CharacteristicKeyKeyMax back-up fuseKeySSelectivity ClassVersitionVersitionDirection of incoming supplyVersitionNonoODetectional supplyVersitionNonoODirectional functional supplyNonoONonoODirectional supplyNonoONonoODirectional supplyNonoONonoOManual grotectional supplyNonoONonoONonning output purpleNonoONonoONonning output purpleNonoONonoONonning output purpleNonoONonoONonning Control functional suppleNonoONonoONonning Control functional suppleNonoONonoO<		U _e	V AC	230/400
AppendixA A A A A A B A A A B A B A B A B A B A B A B <b< td=""><td></td><td></td><td>V DC</td><td>48 (per pole)</td></b<>			V DC	48 (per pole)
CharacteristicKey A DiagoSolutionMax back-up tuesNetwork15Selectivity ClassNetwork3LifeganNetworkservityDirection of incoming supplyNetworkservityMethanizationNetworkNetworkStandard fund timesionNetworkServityStandard fund timesionNetworkNetworkStandard fund timesionNetworkNetwor	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
As back-up fuse Ag Log Fag Log Is Selectivity Class 5 3 Lifespan Operations 5 3000 Direction of incoming supply 5 1000 1000 Mechanical	Operational switching capacity		kA	7.5
Selectivity Class Jone Jone <td>Characteristic</td> <td></td> <td></td> <td>B, C, D</td>	Characteristic			B, C, D
Lifespan Operations > 1000 Direction of incoming supply > required Mechanical > sequired Standard front dimension M Enclosure height M 9 Torminal protection M M Mounting width per pole M 100 Mounting M 100 Dereed Protection M M Terminal stop and bottom M M Terminal capacities M 100 Terminal capacities M M Infinite Capacities M M Terminal capacities M M Infinite Capacities M M Infinit	Max. back-up fuse		A gL/gG	125
Direction of incoming supply Image: Required Required Mechanical Sequired Material Standard front dimension Material Sequired Enclosure height Material Sequired Terminal protection Material Sequeral datasch-G-hand proof to BGV A2 Mounting width per pole Material Sequeral datasch-G-hand proof to BGV A2 Mounting Material Sequeral datasch-G-hand proof to BGV A2 Degree of Protection Material Sequeral datasch-G-hand proof to BGV A2 Terminal capacities Material Sequeral datasch-G-hand proof to BGV A2 Terminal capacities Material Material Italic capacities Material Sequeral datasch-G-hand proof to BGV A2 Italic c	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 60 mm 60 mm 60 finger and back-of-hand proof to BGV A2 Terminal protection mm 15 finger and back-of-hand proof to BGV A2 Mounting width per pole mm 16/L NO 15 top-hat rail 16/L NO 15 top-hat rail Degree of Protection mm 120. IPV0 (when fitted) 100. IPV0 (when fitted) Terminal capacities mm ² 120. IPV0 (when fitted) 100. IPV0 (when fitted) Terminal capacities mm ² 120. IPV0 (when fitted) 120. IPV0 (when fitted) International conduction mm ² 120. IPV0 (when fitted) 120. IPV0 (when fitted) Terminal capacities mm ² 120. IPV0 (when fitted) 120. IPV0 (when fitted) 120. IPV0 (when fitted) Terminal capacities mm ² 120. IPV0 (when fitted)	Lifespan	Operations		> 10000
Standard front dimensionmm45Enclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingEC/N 60715 top-hat railDegree of ProtectionFinder and ProtectionTerminal stop and bottommm1.2Terminal capacitiesmmInterminationmmInterminat	Direction of incoming supply			as required
Enclosure height Mmm Bound protection Terminal protection File File Mounting Mmm 1.5 Degree of Protection File File Terminal stop and bottom File File Terminal capacities File File Intermination File File Terminal capacities File File Termination File File	Mechanical			
Terminal protection Image: Big Products of the Set Value of t	Standard front dimension		mm	45
Mounting width per pole mm 1.5 Mounting Imm Imm Imm Imm Mounting Imm Imm Imm Imm Degree of Protection Imm Imm Imm Imm Terminals top and bottom Imm Imm Imm Imm Terminal capacities Imm Imm Imm Imm Imm Imm Imm Imm Imm	Enclosure height		mm	80
Mounting Image: Book of the sector of the	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Protection Protection Terminals top and bottom Free March Free March Terminal capacities Free March Free March Image: Second	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Bottom of the sector of	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
Imm ² 2 x 10 Thickness of busbar material mm	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	2.4	
Static heat dissipation, non-current-dependent	P _{vs}	W	0	
Heat dissipation capacity	P _{diss}	W	0	
Operating ambient temperature min.		°C	-40	

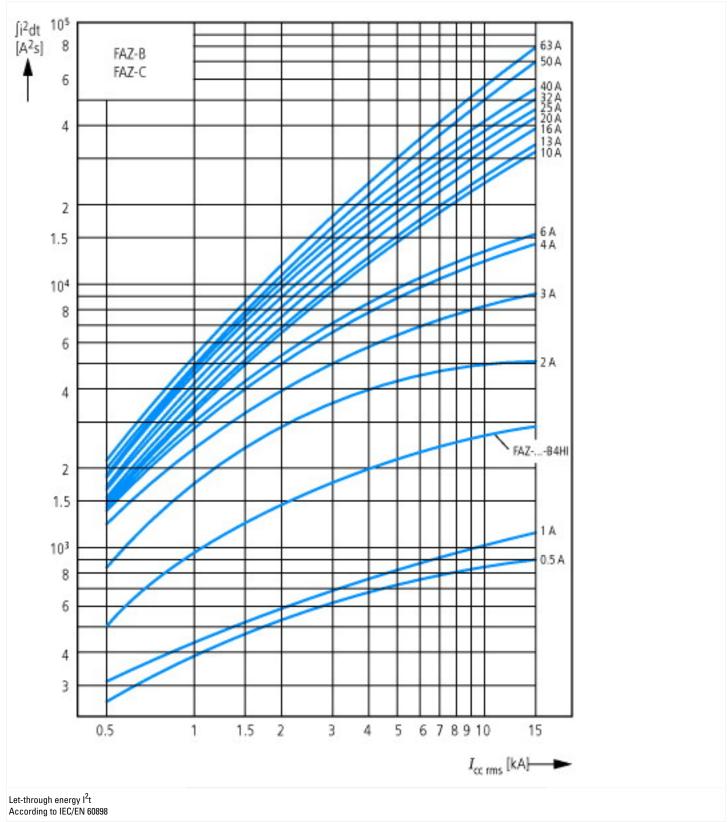
Operating ambient temperature max.	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
EC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability 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 be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

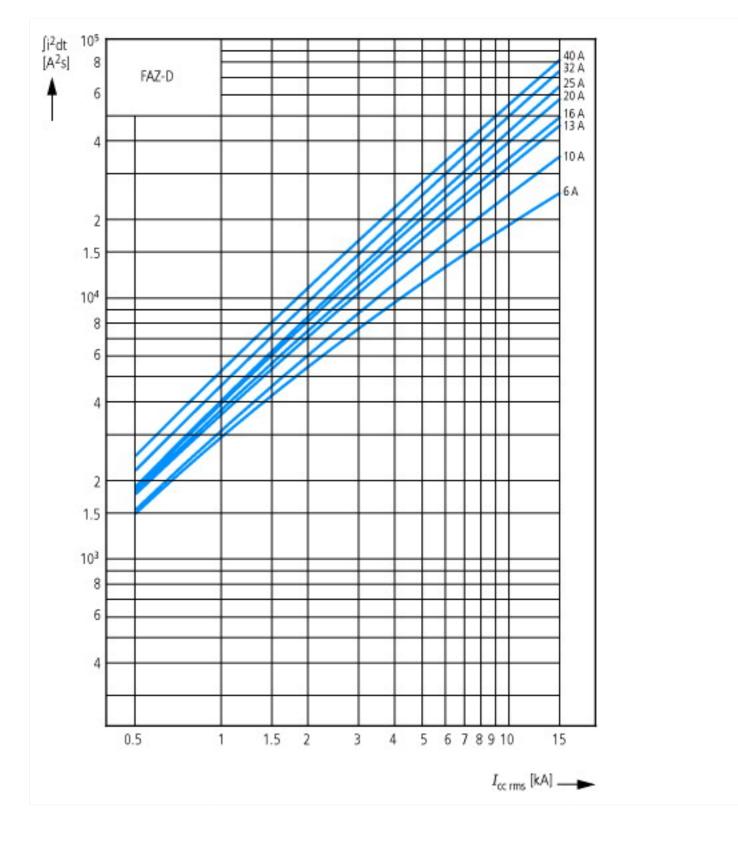
Technical data ETIM 6.0

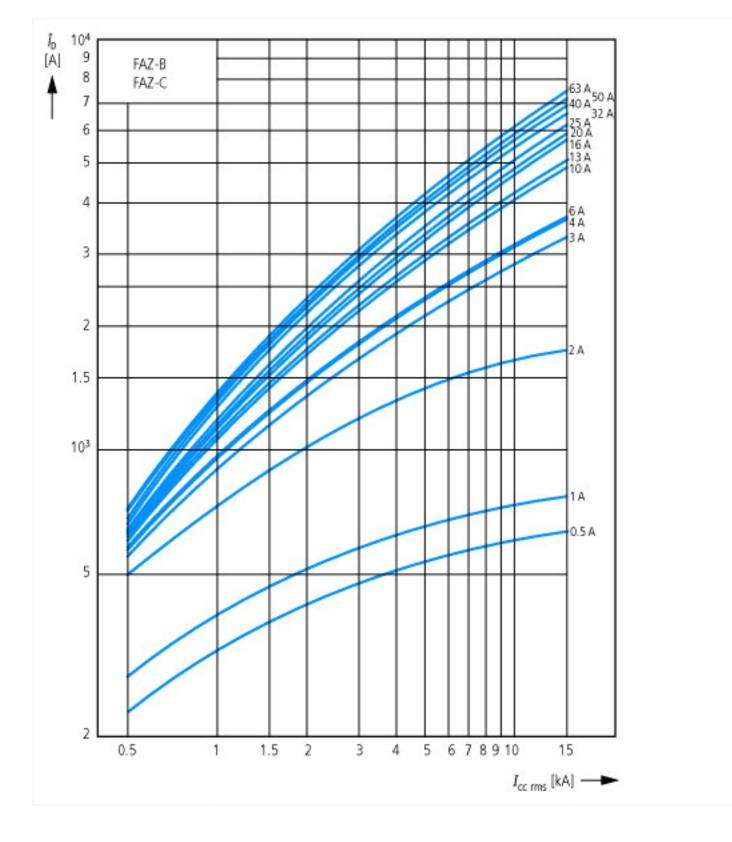
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

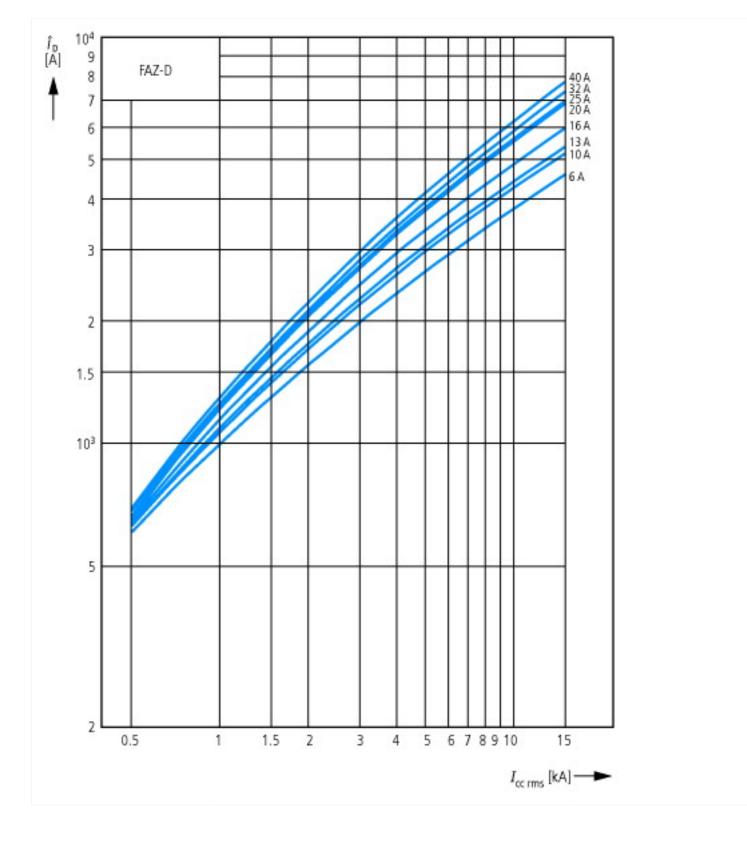
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])				
Release characteristic		В		
Number of poles (total)		2		
Number of protected poles		2		
Nominal 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		Yes		
Suitable for flush-mounted installation		No		
Over voltage category		3		
Pollution degree		2		
Width in number of modular spacings		2		
Built-in depth	mr	n 70.5		
Additional equipment possible		Yes		
Degree of protection (IP)		IP20		

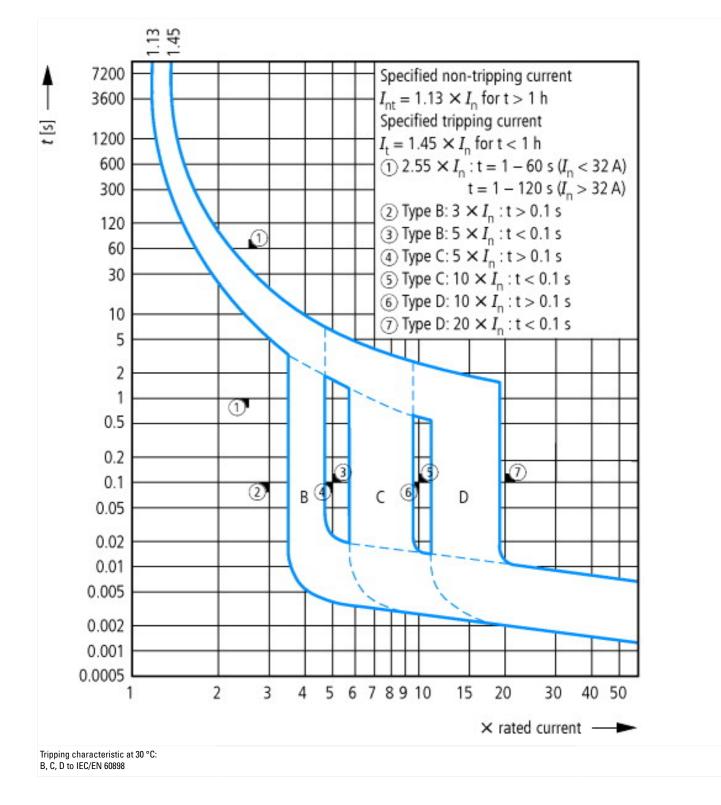




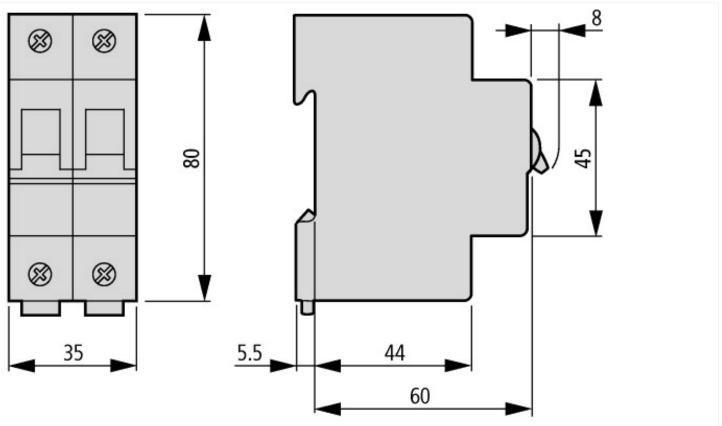








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker AWA1220-1755 Circiut-breaker

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