

Over current switch, 63A, 1p, C-Char, AC



FAZ-C63/1 278567 FAZ-C63/1



#### Similar to illustration

### **Delivery programme**

Basic function			Miniature circuit breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	63
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

#### Technical data Electrical

Action of the second	Electrical			
Image: space of the space of	Standards			
Index servicesIndex	Rated operational voltage	U <sub>e</sub>	V	
Redestiviting capacity cost DE/C/EN 06094-2KKSOperational switching capacityKKKOperatoristicKKKKSubcerivity ClassOperatoristicSSSDiete on of incoming supplyOperatoristicSSSMechanicalMMSSSBradard ford dimensionMMSSSSubcerivity ClassMMSSSBradard ford dimensionMMSSSSubcerivity ClassMMSSSSubcerivity ClassMMSSSSSubcerivity ClassMMSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS<		U <sub>e</sub>	V AC	230/400
Appendix and the second seco			V DC	48 (per pole)
CharacteristicResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResult<	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Ag Log     Ag Log     Ide     I	Operational switching capacity		kA	7.5
Selectivity Class     Appendix of the section of incoming supply     Appendix of the section of incoming supply     Section of incoming	Characteristic			B, C, D
Lifespan Operations > 1000   Direction of incoming supply > 1000 > required   Mechanical  > required   Standard front dimension  M 4   Enclosure height  M 8   Terminal protection  M M   Mounting width per pole  M N   Mounting   FC FC   Direction    FC   Terminal stop and bottom       Terminal capacities       Terminal capacities       Terminal capacities       Terminal capacities       Terminal capacities       Terminal capacities  man     Terminal capacities       Terminal capacities  man     Terminal capacities  man     Terminal capacities  man     Terminal capacities	Max. back-up fuse		A gL/gG	125
Direction of incoming supply     is required       Mechanical     srequired       Standard front dimension     mm     45       Enclosure height     mm     80       Terminal protection     Me     mm     Finger and back-of-hand proof to BGV A2       Mounting width per pole     Me     Finger and back-of-hand proof to BGV A2       Mounting     Me     To.5       Degree of Protection     Me     Finger and back-of-hand proof to BGV A2       Terminal stop and bottom     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand proof to BGV A2       Terminal capacities     Me     Finger and back-of-hand	Selectivity Class			3
Mechanical     mm     45       Standard front dimension     mm     6     mm     6<	Lifespan	Operations		> 10000
Standard front dimensionImmSEnclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFinder Art ailDegree of ProtectionFinder Art ailTerminals top and bottommmimin-purpose terminalsTerminal capacitiesmm1.25Interminationmmimin-purpose terminalsTerminal capacitiesmmimin-purpose terminalsInterminationmmimin-purpose terminalsInterminationmmimin-pu	Direction of incoming supply			as required
Enclosure height   mm   Bod     Terminal protection   Finger and back-of-hand proof to BGV A2     Mounting width per pole   Finger and back-of-hand proof to BGV A2     Mounting   Finger and back-of-hand proof to BGV A2     Degree of Protection   Finder and Protection     Terminal stop and bottom   Finder and Protection     Terminal capacities   mm <sup>2</sup> Interminal capacities   mm <sup>2</sup> Intermination   mm <sup>2</sup>	Mechanical			
Terminal protectionImage: Region of the Section of the S	Standard front dimension		mm	45
Mounting width per pole mm 7.5   Mounting IC/EN 60715 top-hat rail   Degree of Protection IC/EN 60715 top-hat rail   Terminals top and bottom IC/EN 60715 top-bat rail   Terminal capacities Imm <sup>2</sup>	Enclosure height		mm	80
Mounting   Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Feed P20, IP40 (when fitted)   Terminals top and bottom Terminals copacities Terminals copacities   Terminal capacities ma <sup>2</sup> Ima <sup>2</sup> Indext protection ma <sup>2</sup> Ima <sup>2</sup> Terminal capacities ma <sup>2</sup> Ima <sup>2</sup> Indext protection ma <sup>2</sup> Ima <sup>2</sup> Indext protection ma <sup>2</sup> Ima <sup>2</sup>	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Sector Sec	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities ma <sup>2</sup> Imm <sup>2</sup>	Degree of Protection			IP20, IP40 (when fitted)
Image: margin m Margin margin marg	Terminals top and bottom			Twin-purpose terminals
Thickness of busbar material Thickness of busbar material Thickness of busbar material Thickness of busbar material	Terminal capacities		mm <sup>2</sup>	
Thickness of busbar material mm 0.82			mm <sup>2</sup>	1 x 25
			mm <sup>2</sup>	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	63
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	5.2
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0

Heat dissipation capacity	P <sub>diss</sub>	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.

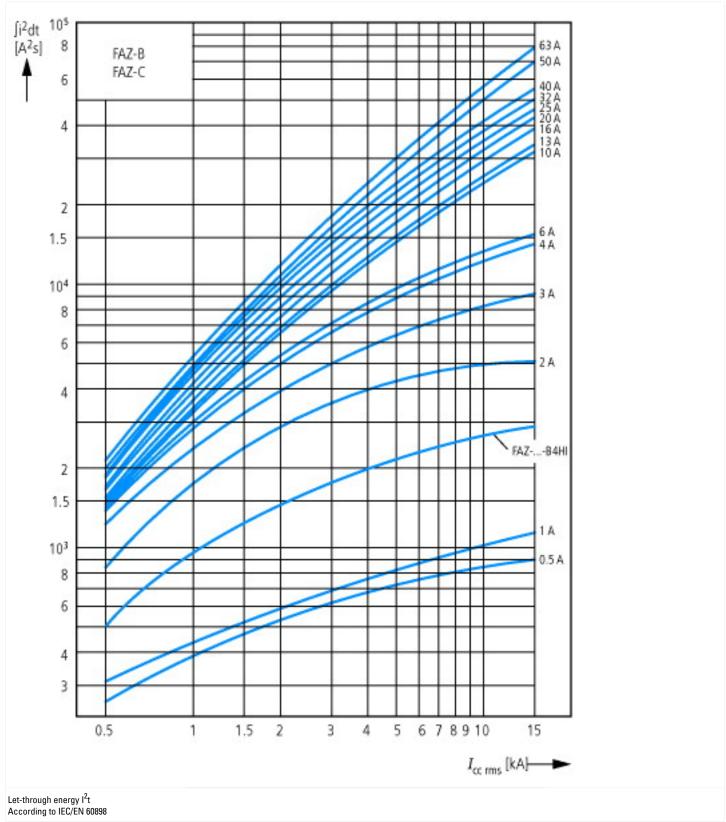
### **Technical data ETIM 6.0**

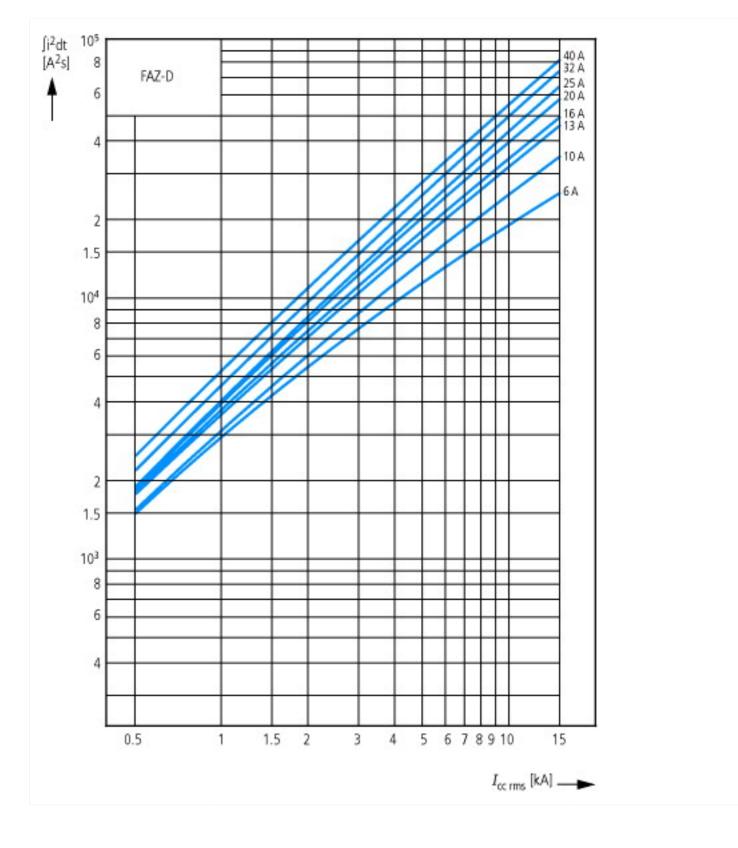
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

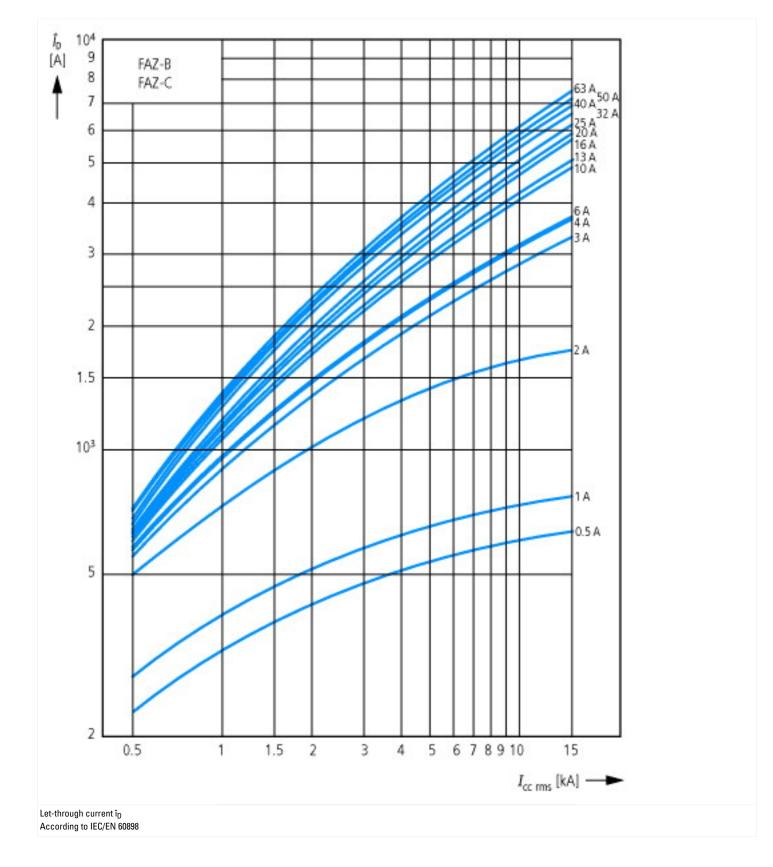
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

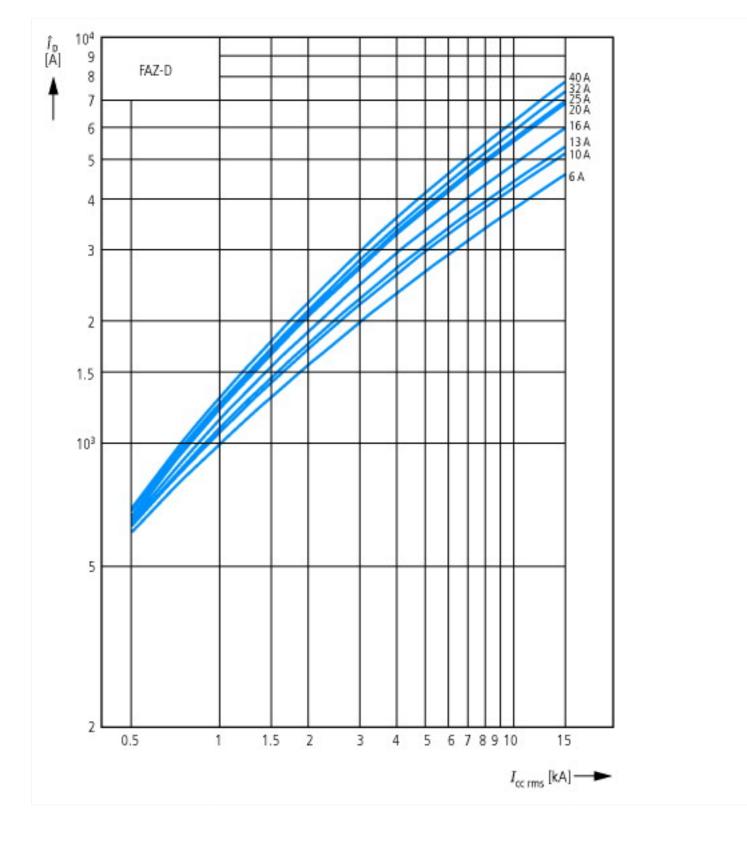
[AAD303011]/				
Release characteristic		С		
Number of poles (total)		1		
Number of protected poles		1		
Nominal rated current	А	63		
Nominal rated voltage	V	230		
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10		
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10		
Rated 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) For Sales and Support call KMParts.com (866) 595-9616				

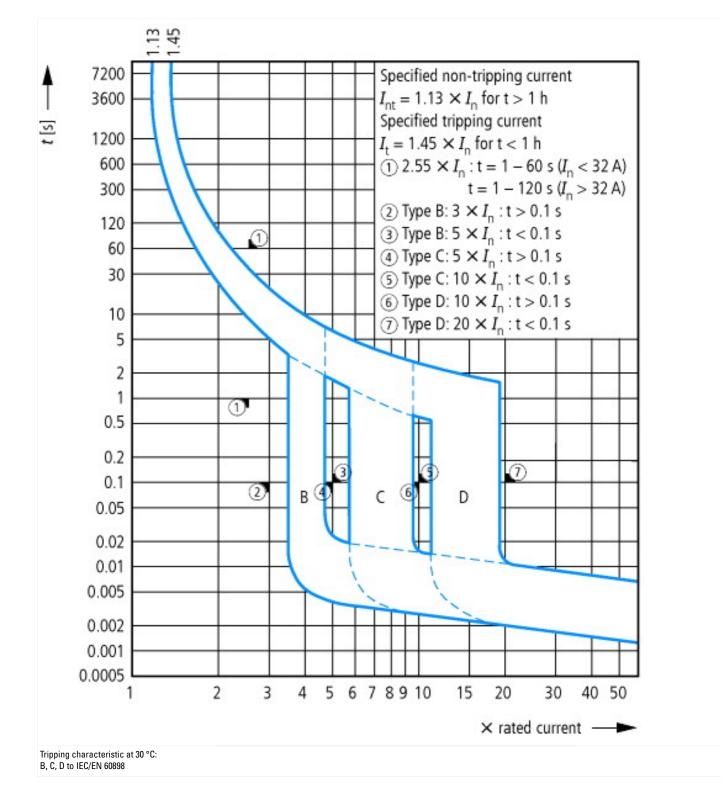




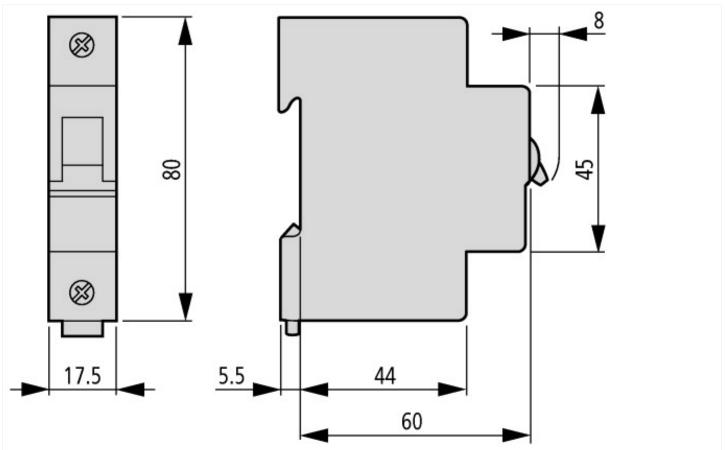








### Dimensions



### Additional product information (links)

### AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/17550701.pdf