

FAZ-C8/2

278755 FAZ-C8/2





Similar to illustration

#### **Delivery programme**

Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	8
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

# Technical data

Animal Answer State     Answer State     Exc Reseauce       Rated operational voltage     Ve     Ve       Ne     Ve     Sub       Anted operational voltage     Ve     Sub       Anted operational voltage     Ve     Sub       Anted operational voltage     Ve     Sub       Anted switching capacity Cac Ve (EXC NOSSAC     Ve     Sub       Characteristic     Sub     Sub     Sub       Characteristic     Sub     Sub     Sub       Sub cac Ve fus     Sub	Electrical			
Image: space s	Standards			
Image: Problem in the section of the sectio	Rated operational voltage	U <sub>e</sub>	V	
Rate switching capacity acc. to IEC/EN 60947-2     K     K     K       Deprational switching capacity     6     K     S       Characteristic     6     K     S       Max. back-up fuse     6     K     S       Selectivity Class     0     S     S       Lifespan     Operational switching capacity     S     S       Direction of incoming supply     Operational     S     S       Machand funct dimension     S     S     S       Enclosure height     M     M     S       Mouning width per pole     M     M     S       Mouning     S     S     S       Terminal protection     M     M     S       Read soft for the function     M     S     S       Mouning     M     M     S     S       Terminal protection     M     M     S     S       Terminal sort part bettore     M     M     S     S       Terminal sort part bettore     M     M     S     <		U <sub>e</sub>	V AC	230/400
Qerational synchronizationKaKaSolutionCharacteristicA gl/dB(DMax back-up fuseA gl/dISelectivity ClassPeretorIIDirection of incoming supplyNoIIDirection of incoming supplyIIIAndard functioning supplyIIIAndard functioning supplyIIIDirection of incoming supplyIIIAndard functioning supplyIII			V DC	48 (per pole)
Characteristic Ray Lage <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
As back-up fuse     Ag Log     Fag Log	Operational switching capacity		kA	7.5
Selectivity ClassAppendix of the section of the section of incoming supplyAppendix of the section of the se	Characteristic			B, C, D
Liespan Operations >10000   Direction of incoming supply > ar quired   Mechanical ser quired   Standard front dimension M M   Enclosure height M M   Torminal protection M M   Mounting width per pole M M   Mounting M IC/EN 60715 top-hat rail   Degree of Protection M M   Terminal capacities M M   Terminal capacities M M   Iterminal capacities M M	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     Mm     Finger and back-of-hand proof to BGV A2       Mounting width per pole     mm     15.       Mounting     ECEN 60715 top-hat rail     100       Degree of Protection     MM     120. IP40 (when fitted)       Terminal capacities     mm <sup>2</sup> 120. IP40 (when fitted)       Te	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     15.5       Mounting     Ferdioux     Ferdioux     Ferdioux       Degree of Protection     Ferdioux     Ferdioux     Ferdioux       Terminals top and bottom     Ferdioux     Ferdioux     Ferdioux       Terminal capacities     mm <sup>2</sup> Funioux     Ferdioux       Mm     1x25     Ferdioux     Ferdioux       Mm     1x25     Ferdioux     Ferdioux       Fundoux     Ferdioux     Ferdioux     Ferdioux       Mm     1x25     Ferdioux     Ferdioux       Fundoux     Ferdioux     Ferdioux     Ferdioux       Fundoux     Ferdioux     Ferdioux     Ferdioux       Ferdioux     Ferdioux     Ferdioux     Ferdioux       Ferdioux     Ferdioux     Ferdioux     Ferdioux       Ferdioux     Ferdi	Lifespan	Operations		> 10000
Standard front dimension   mm   45     Enclosure height   mm   80     Terminal protection   mm   Finger and back-of-hand proof to BGV A2     Mounting width per pole   mm   15     Degree of Protection   Finger and back-of-hand proof to BGV A2   mm     Terminals top and bottom   Finger and back-of-hand proof to BGV A2   mm     Terminals cop and bottom   Finger and back-of-hand proof to BGV A2   mm     Terminal capacities   mm   15   Finger and back-of-hand proof to BGV A2     Mounting   Mm   Intervention   Finger and back-of-hand proof to BGV A2     Terminals top and bottom   Mm   Intervention   Finger and back-of-hand proof to BGV A2     Terminal capacities   Mm   Intervention   Finger and back-of-hand proof to BGV A2     Terminal capacities   mm   Intervention   Finger and back-of-hand proof to BGV A2     Marce   mm   Intervention   Finger and back-of-hand proof to BGV A2     Marce   Mm   Intervention   Finger and back-of-hand proof to BGV A2     Marce   Mm   Intervention   Standard proof to BGV A2     Marce   Mm   Interventin <td>Direction of incoming supply</td> <td></td> <td></td> <td>as required</td>	Direction of incoming supply			as required
Enclosure height   mm   80     Terminal protection   Finge and back-of-hand proof to BGV A2     Mounting width per pole   mm   1.5     Mounting   Finde   Finde   Finde     Degree of Protection   Finde   Finde   Finde Protection     Terminal capacities   Finde   Finde   Finde Protection     Terminal capacities   Finde   Finde Protection   Finde Protection     Terminal capacities   Finde Protection   Finde Protection   Finde Protection     Finde Protection   Finde Protection   Finde Protection   Finde Protection     Finde Protection   Finde Protection   Finde Protection   Finde Protection     Finde Protection   <	Mechanical			
Terminal protectionImage: Region and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Degree of ProtectionImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof to BGV A2Terminal capacitiesImage: Region and back-of-hand proof to BGV A2Image: Region and back-of-hand proof	Standard front dimension		mm	45
Mounting width per pole     mm     15       Mounting     ICEN 60715 top-hat rail     ICEN 60715 top-hat rail       Degree of Protection     ICEN 60715 top-hat rail     ICEN 60715 top-hat rail       Terminals top and bottom     ICEN 60715 top-hat rail     ICEN 60715 top-hat rail       Terminals top and bottom     ICEN 60715 top-hat rail     ICEN 60715 top-hat rail       Terminals top and bottom     ICEN 60715 top-hat rail     Icen rail       Terminal capacities     Imm     Imm     Impose terminals       Imm     Imm     Imm     Impose terminals       Imm     Imm     Imm     Immose terminals       Imm     Imm     Immose terminals     Immose terminals       Imm     Immose terminals     Immose terminals     Immose terminals       Immose terminals     Immose terminals     Immose terminals     Immose terminals	Enclosure height		mm	80
Mounting   Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Image: Second	Mounting width per pole		mm	17.5
Terminals top and bottom Image: minipage terminals   Terminal capacities mm <sup>2</sup> Image: minipage terminals 1x 25   Image: minipage terminals mm <sup>2</sup> Image: minipage terminals 1x 25   Image: minipage terminals mm <sup>2</sup>	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> 1×25   mm <sup>2</sup> 2×10   Thickness of busbar material mm 082	Degree of Protection			IP20, IP40 (when fitted)
Image: market in the second	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 0.8 2			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

Fechnical data for design verification				
Rated operational current for specified heat dissipation	In	А	8	
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0	
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	4.1	
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
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**

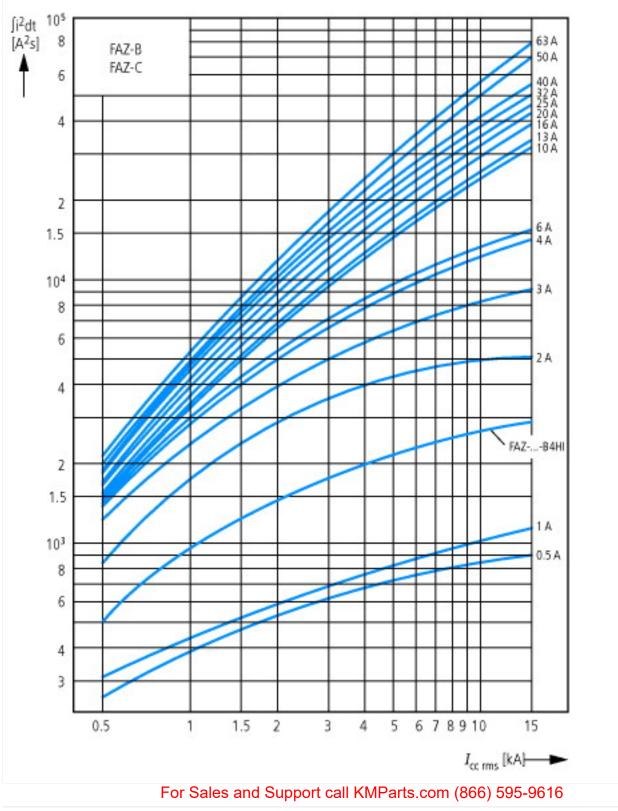
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

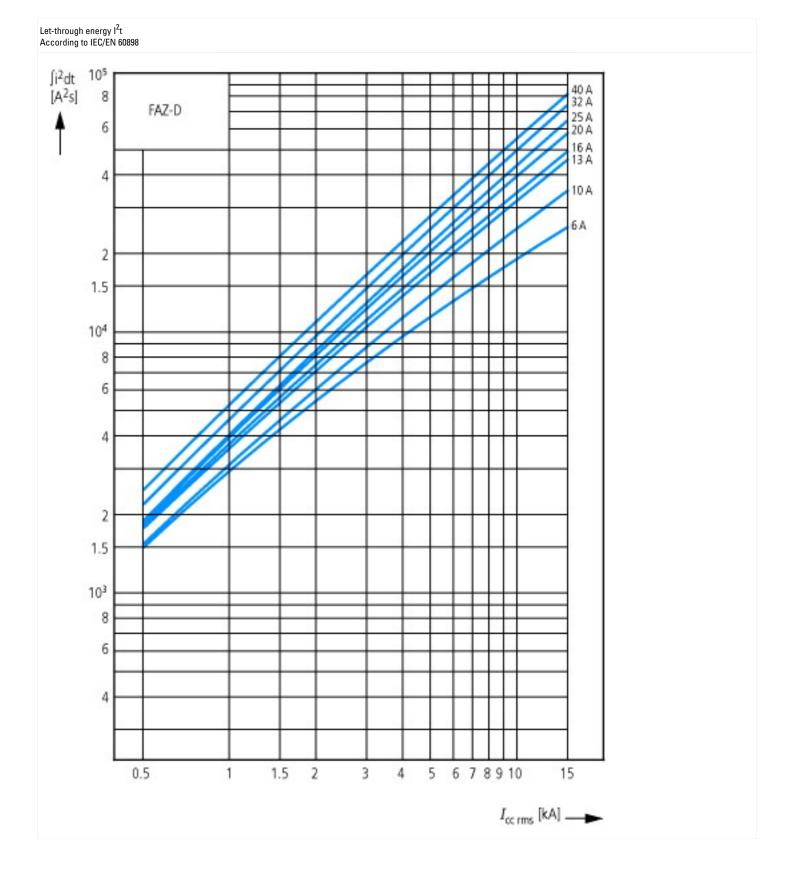
	-/		
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])			
Release characteristic			C
Number of poles (total)			2
Number of protected poles			2
Nominal rated current	A	۱.	8
Nominal rated voltage	V	1	400
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	A	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	A	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k/	A	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	A	15
Voltage type			AC
Current limiting class			3
Frequency	Н	lz	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			2
Built-in depth	m	nm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

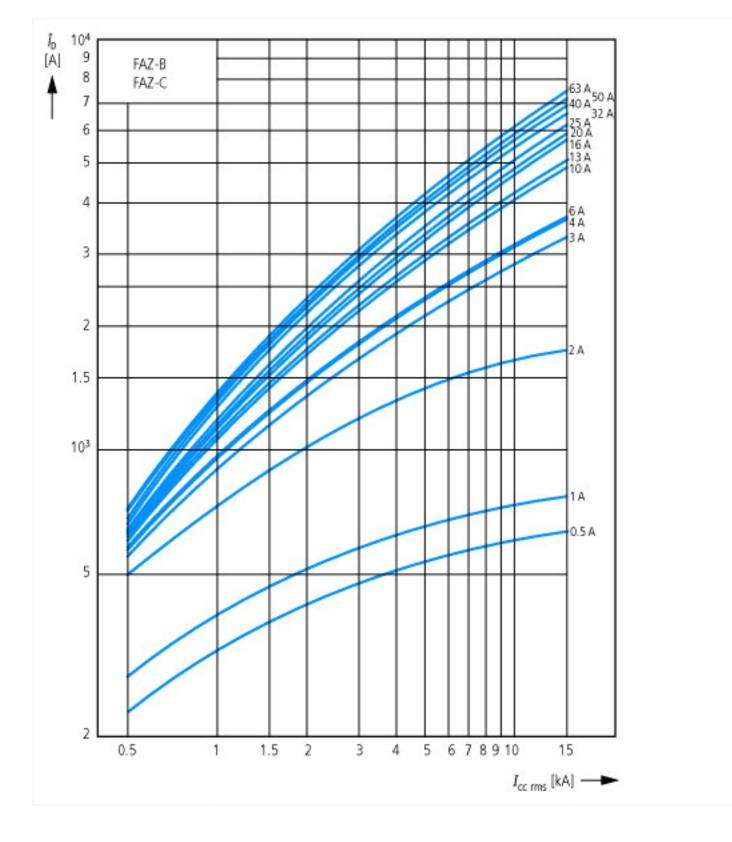
#### **Approvals**

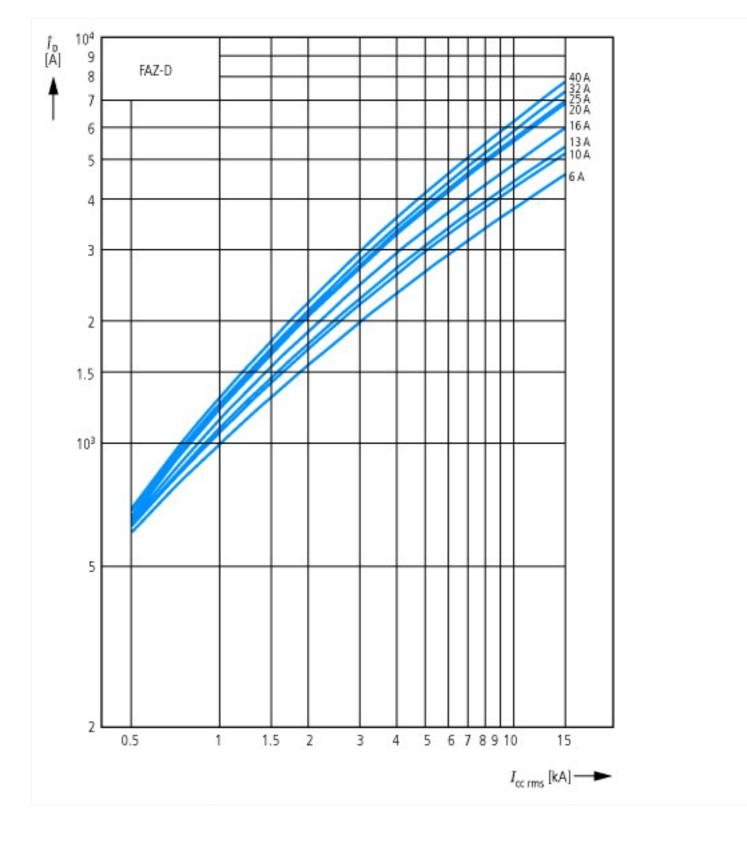
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable for	Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker	No
Max. Voltage Rating	480Y/277 VAC; 96 VDC
Degree of Protection	IEC: IP20; UL/CSA Type: -

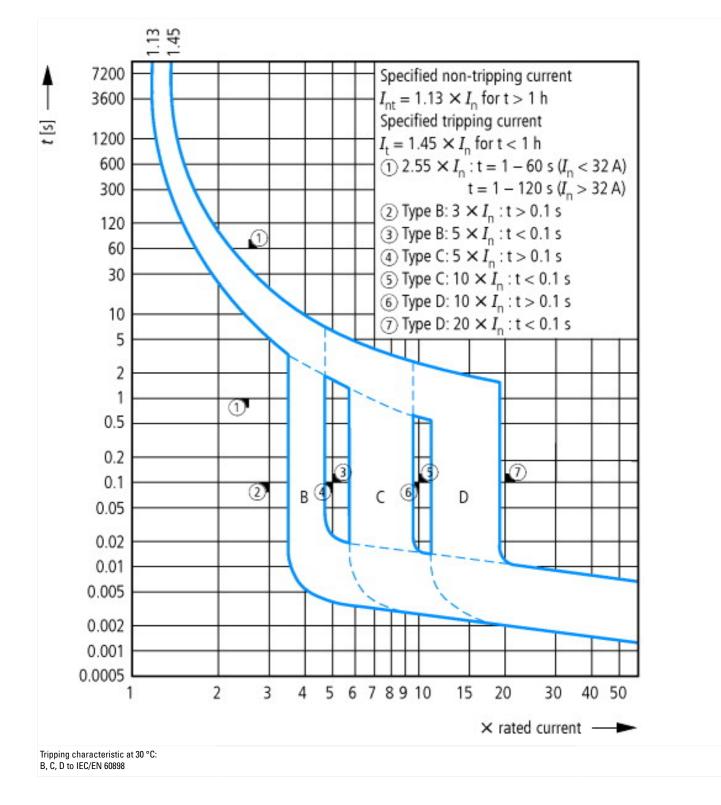
## **Characteristics**



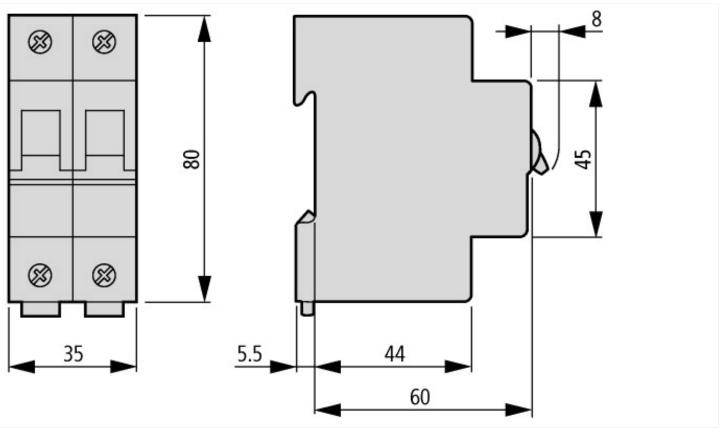








#### Dimensions



# Additional product information (links)

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

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