



FAZ-B16/2 278734 FAZ-B16/2



Similar to illustration

Delivery programme

Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	16
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

StandardsNoICICRead operational workingNoNoNoRead switching capacity acc to IEC/EN 60097-2NoNoNoOperational working capacity acc to IEC/EN 60097-2NoNoNoNata cabacity functional working capacity acc to IEC/EN 60097-2NoNoNoOperational working capacity acc to IEC/EN 60097-2NoNoNoNata cabacity functional working capacity acc to IEC/EN 60097-2NoNoNoN	Electrical			
Image: space s	Standards			
Index service of the	Rated operational voltage	U _e	V	
Reta witching capacity can be UPC FM B0947-2 K K K Derational switching capacity K 5 Characteristic K K 5 Max back-up fuse K K 5 Selectivity Class S 5 5 Lifespan Vertering Y S 3 Detectional sworthy Y S 3 3 Maximum Samply Y Y S 3		U _e	V AC	230/400
Nertional systemNameNameNameCharacteristicAgU AgU BachacteristicBachacteristicMatcharuptaceAgU AgU BachacteristicBachacteristicSelectivipClassNertoreBachacteristicDirection of incoming supplyNertoreBachacteristicDirection of incoming supplyNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicDirection of incoming supplyNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreBachacteristicSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClassSelectivipClassNertoreSelectivipClass			V DC	48 (per pole)
CharacteristicNoReserve and the second	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Action Action Action Action Selectivity Class 5 3 Lifespan Operations 5 3000 Direction of incoming supply 0 1000 1000 Machanical	Operational switching capacity		kA	7.5
Selectivity Class Journal Se	Characteristic			B, C, D
Ifegan Operations Image: Provide and Comparison of the provide and Comparison of th	Max. back-up fuse		A gL/gG	125
Direction of incoming supply Image: a required Mechanical srequired Standar front dimension ma 4 Enclosure height ma 8 Terminal protection ma finger and back-of-hand proof to BGV A2 Mounting width per pole ma 15 Mounting Image: A required Image: A required Degree of Protection Image: A required Image: A required Terminal stop and bottom Image: A required Image: A required Terminal capacities Image: A required Image: A required Image: A required A requ	Selectivity Class			3
Mechanical mm 45 Standard front dimension mm 45 Enclosure height mm 80 Terminal protection mm 1inger and back-of-hand proof to BGV A2 Mounting width per pole mm 17.5 Degree of Protection Ferdition 16/2 Ferdition Terminal stop and bottom Ferdition 16/2 Ferdition Terminal capacities mm ² 120.1P40 (when fitted) Terminal capacities mm ² 120.2P4 Terminal capacities mm ² 120.2P4 Indextore of busbar material mm ² 120.2P4	Lifespan	Operations		> 10000
Standard front dimensionmm#Enclosure heightmm80Terminal protectionFmFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFeetFeetDegree of ProtectionFeetFeetTerminals top and bottomFeetFeetTerminal capacitiesmm²1.25Interminal capacitiesmm²1.25Interminationmm²1.25Terminal capacitiesmm²1.25Terminal capacitiesmm²1.25Interminationmm² <td></td> <td></td> <td></td> <td>as required</td>				as required
Enclosure height mm Bit and methods Furnial protection Finer and back-of-hand proof to BGV A2 Mounting width per pole mm 1.5 Mounting Finer and back-of-hand proof to BGV A2 mm Degree of Protection Finer and Protection Finer and Protection Terminal stop and bottom Finer and Protection Finer and Protection Terminal capacities mm ² Finer and Protection Interminal stop and bottom mm ² Scientification Terminal capacities mm ² Scientification Interminal stop and bottom mm ² Scientification Interminal stop and bottom mm ² Scientification Terminal capacities mm ² Scientification Interminal stop and bottom mm ² Scienification I	Mechanical			
Terminal protectionImage: Region of the sector	Standard front dimension		mm	45
Mounting width per polemm1.5MountingICMICMICMDegree of ProtectionICMICMICMTerminals top and bottomICMICMIvm-purpose terminalsTerminal capacitiesImm2Ivm-purpose terminalsIndext per poleImm2Ivm-purpose terminalsIndext per poleIvm2Ivm2Indext per poleIv	Enclosure height		mm	80
Mounting Image:	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection Mathematical State P20, IP40 (when fitted) Terminals top and bottom Twin-purpose terminals Terminal capacities mm ² Immethin State mm ²	Mounting width per pole		mm	17.5
Terminals top and bottom Image: Comparison of the sector	Mounting			IEC/EN 60715 top-hat rail
Terminal capacities mm ² mm ² mm ² local mm ²	Degree of Protection			IP20, IP40 (when fitted)
Image: mining index Image: mining	Terminals top and bottom			Twin-purpose terminals
Image: Second	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	16	
Heat dissipation per pole, current-dependent	P _{vid}	W	0	
Equipment heat dissipation, current-dependent	P _{vid}	W	4.7	
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

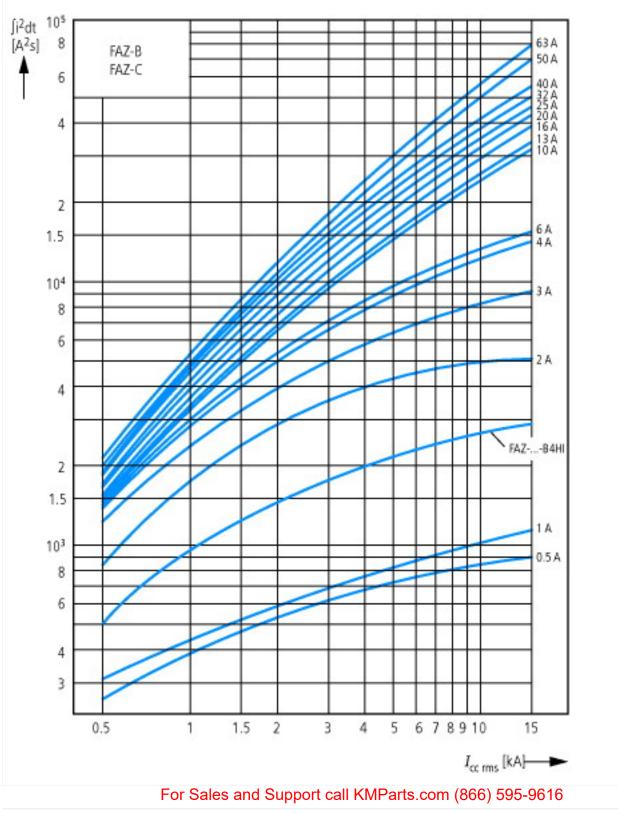
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

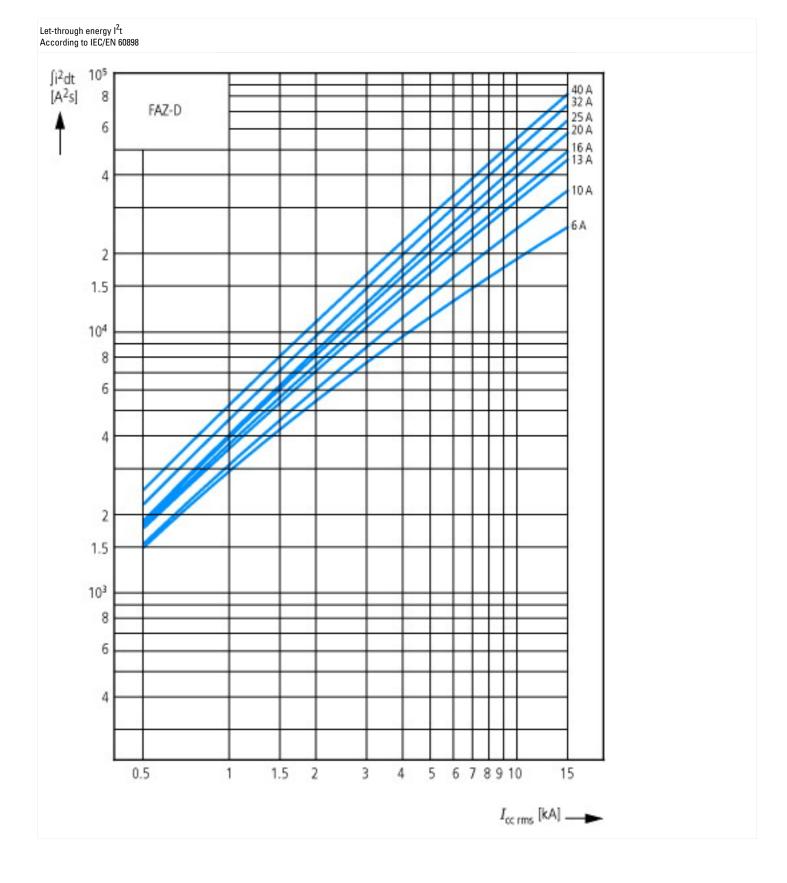
IAABassoniti) Belasse characteristic		4		
Number of poles (total) 2 Number of protected poles 2 Nominal rated current A 6 Nominal rated voltage 00 00 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 0 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 0 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 0 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 0 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 0 Rated short-circuit breaking capacity Icn EN 60898 at 200 V 6 6 Voltage type 6 6 6 Voltage type 6 6 6 Courrent limiting class 6 <td colspan="3">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])</td>	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])			
Number of protected poles Image: Constraint of the second of	Release characteristic			В
Nominal rated current A A Nominal rated voltage 40 Nominal rated voltage 400 Rated short-circuit breaking capacity Lon EN 60898 at 230 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60898 at 400 V F Rated short-circuit breaking capacity Lon EN 60947-2 at 400 V F Rotage type F F Voltage type S S Current limiting class F S Social for flush-mounted installation F S Norture State S	Number of poles (total)			2
Nominal rated voltage V 400 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 Icn EN 60898 at 400 V KA 10 Rated short-circuit breaking capacity Icn EN 60987-2 at 230 V KA 15 Notage type KA 10 Voltage type KA 10 Current limiting class S 3 Frequency KB 5 Concurrently switching N-neutral No No Suitable for flush-mounted installation No No Over voltage category S S S Pollution degree S S S Built-in cdpth Mon S S Additional equipment possible S S S	Number of protected poles			2
Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA 0 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V KA 0 Voltage type KA 0 Voltage type KA 0 Current limiting class Frequency Co Stitable for flush-mounted installation KA 0 Over voltage category No 0 Pollution degree 2 0 0 Width in number of modular spacings mm 70.5 Built-in depth Mo 0 0 Additional equipment possible Mo 0 0	Nominal rated current	A	A	16
Rated short-circuit breaking capacity lon EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity lou IEC 60947-2 at 230 V KA 5 Rated short-circuit breaking capacity lou IEC 60947-2 at 400 V KA 5 Voltage type KA 6 Current limiting class 3 6 Frequency Frequency 50-60 60 Suitable for flush-mounted installation For Part Part Part Part Part Part Part Par	Nominal rated voltage	V	/	400
Rated short-circuit breaking capacity lcu IEC 60947-2 at 230 V KA 5 Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 15 Voltage type AC Concurrentimiting class 3 Frequency Frequency 50-60 No Suitable for flush-mounted installation Frequency No No Over voltage category So So So Pollution degree So So So So Width in number of modular spacings For mm So So So Built-in depth For mm So S	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	A	10
Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 5 Voltage type C C Current limiting class S 3 Frequency Hz 50-60 Concurrently switching N-neutral M No Suitable for flush-mounted installation M No Over voltage category S S S Pollution degree S S S With in number of modular spacings M M S Built-in depth M M S S Additional equipment possible M M S S	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	A	10
Voltage type AC Current limiting class 3 Frequency Hz 50-60 Concurrently switching N-neutral M No Suitable for flush-mounted installation M M Over voltage category M M Pollution degree M M Width in number of modular spacings M M Built-in depth M M Additional equipment possible M M	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	A	15
Current limiting class 3 Frequency Hz 50-60 Concurrently switching N-neutral No Suitable for flush-mounted installation Image: State S	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	A	15
Frequency Hz 5-60 Concurrently switching N-neutral No No Suitable for flush-mounted installation Image: State of the state of t	Voltage type			AC
Concurrently switching N-neutral No Suitable for flush-mounted installation Mo Over voltage category Mo Pollution degree J Width in number of modular spacings Mo Built-in depth Mm Additional equipment possible Mo	Current limiting class			3
Suitable for flush-mounted installation Mo Over voltage category Mo Pollution degree Mo Width in number of modular spacings Mo Built-in depth Mmm Additional equipment possible Mo	Frequency	Н	lz	50 - 60
Over voltage categorySet by Set b	Concurrently switching N-neutral			No
Pollution degree 2 Width in number of modular spacings mm 70.5 Additional equipment possible Mm Yes	Suitable for flush-mounted installation			No
Width in number of modular spacings Image: Constraint of the spacing spa	Over voltage category			3
Built-in depth mm 70.5 Additional equipment possible MM Yes	Pollution degree			2
Additional equipment possible Yes	Width in number of modular spacings			2
	Built-in depth	m	nm	70.5
Degree of protection (IP)	Additional equipment possible			Yes
	Degree of protection (IP)			IP20

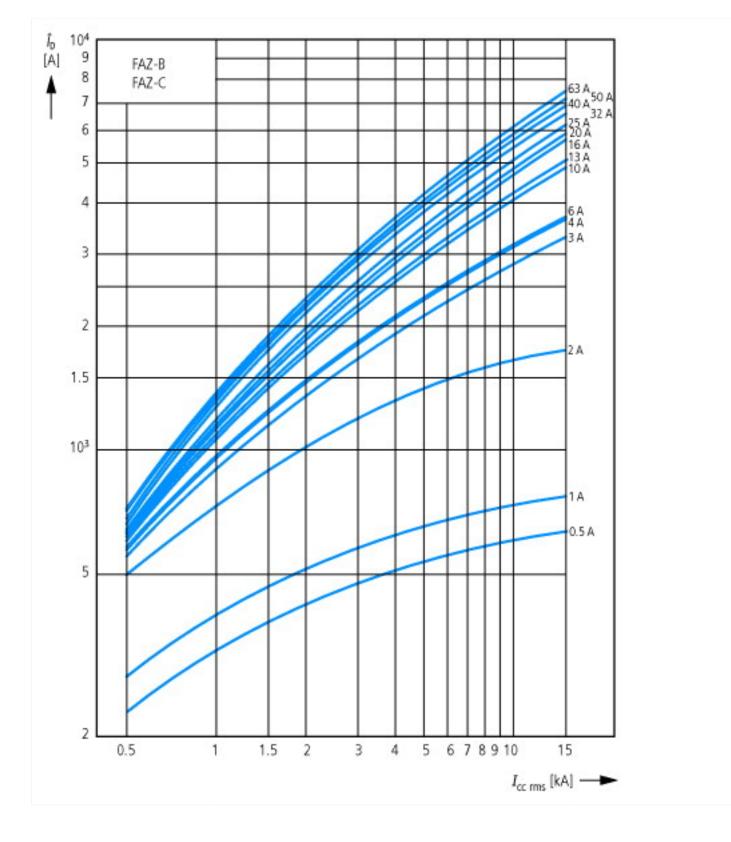
Approvals

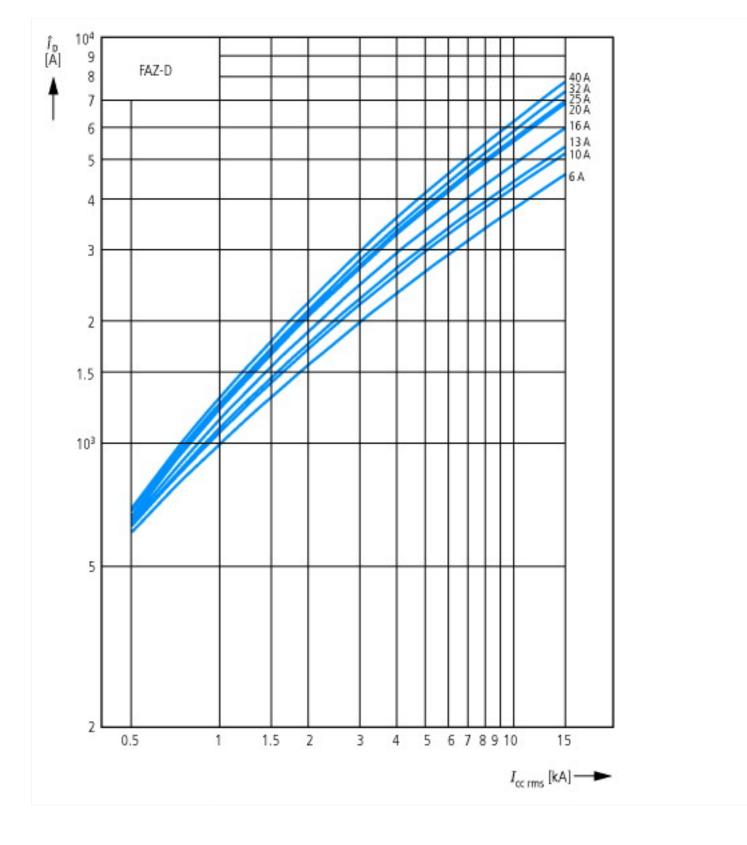
Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable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

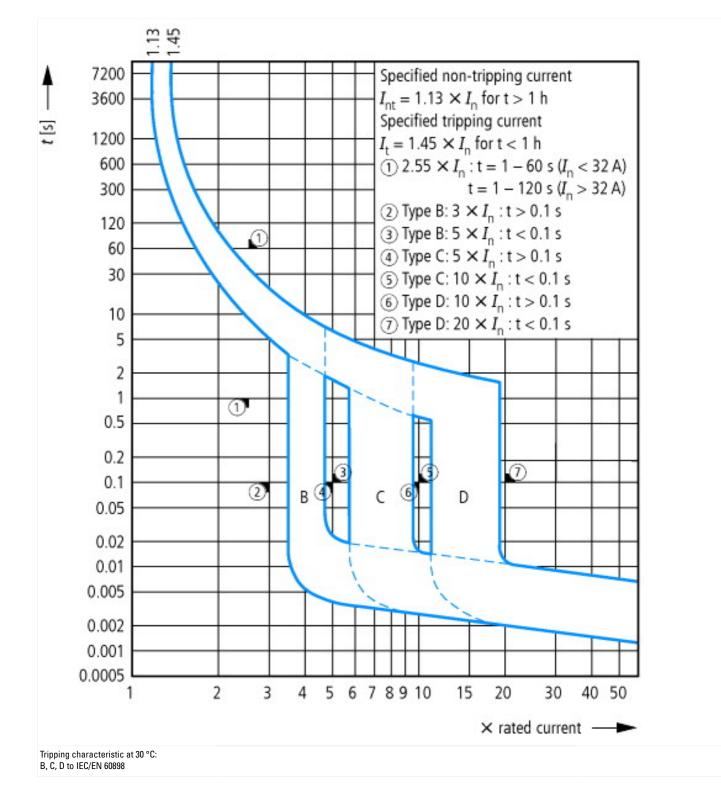
Characteristics



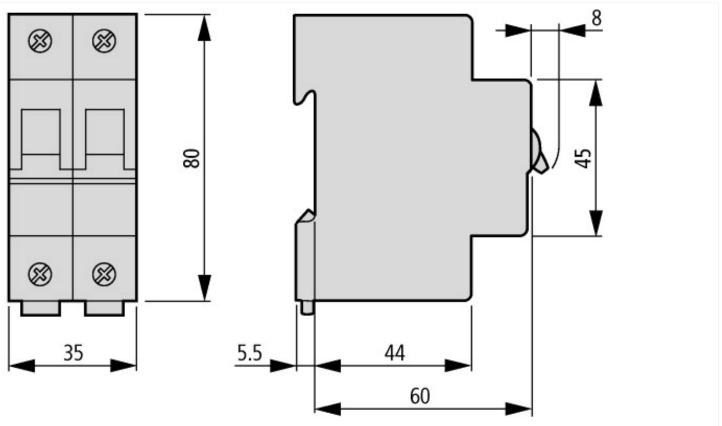








Dimensions



Additional product information (links)

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

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