



Similar to illustration

Delivery program Basic function Miniature circuit breakers Number of poles 4 pole С Tripping characteristic Application Switchgear for industrial and advanced commercial applications Rated current I_n А 63 Rated switching capacity acc. to IEC/EN 60947-2 kA 25 Product range AZ

Technical data

Electrical			
Standards			IEC/EN 60947-2
Rated operational voltage	Ue	V	
	Ue	V AC	230/400
		V DC	60 (per pole)
Rated switching capacity acc. to IEC/EN 60947-2		kA	25
Operational switching capacity		kA	20
Characteristic			Similar: D, C
Max. back-up fuse		A gL/gG	200
Selectivity Class			Compliant with Class 3
Lifespan	Operations		> 10000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	90
Terminal protection			Finger and back-of-hand proof to BGV A2
Mounting width per pole		mm	27
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Lift terminals
Terminal capacities		mm ²	
		mm ²	2.5 50

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	63
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	20.8
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
IEC/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.

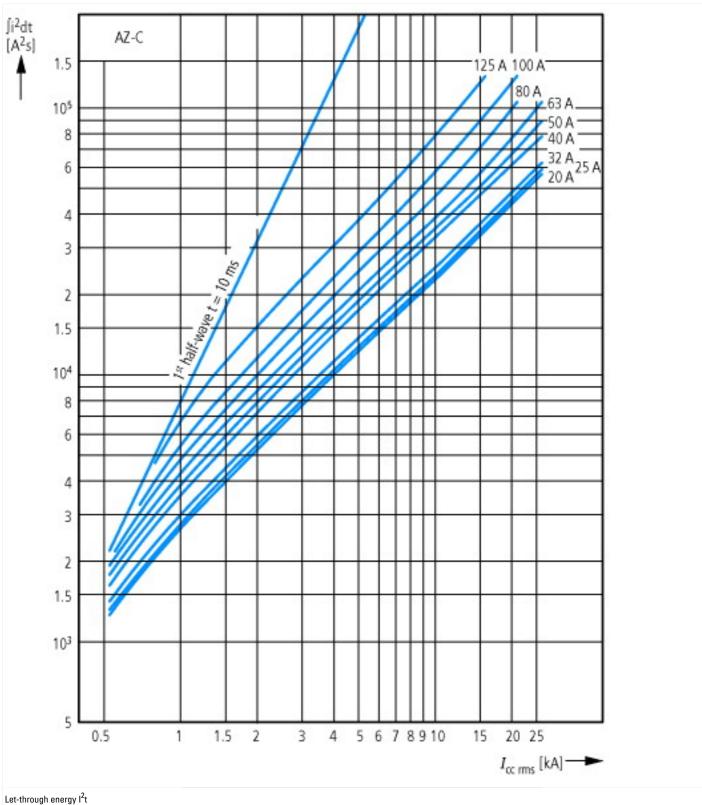
Technical data ETIM 6.0

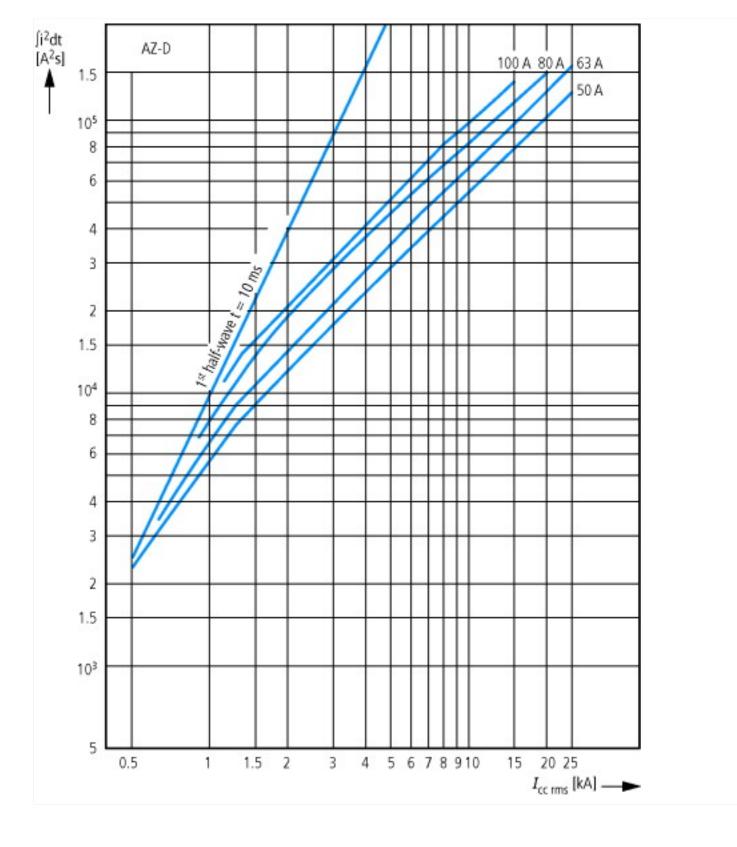
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

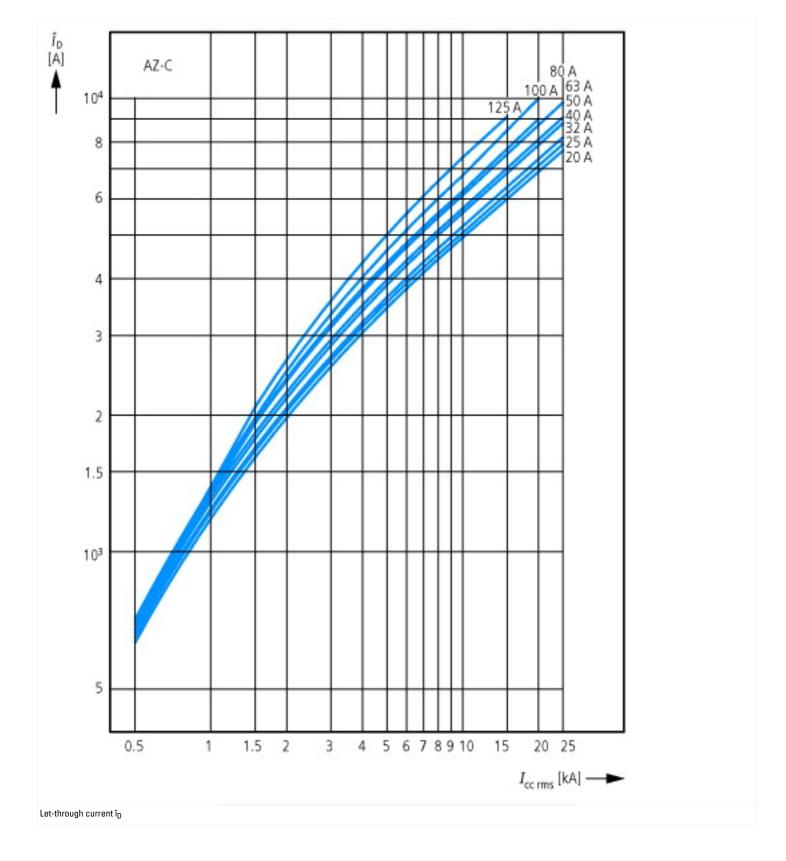
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011]) Release characteristic C C C

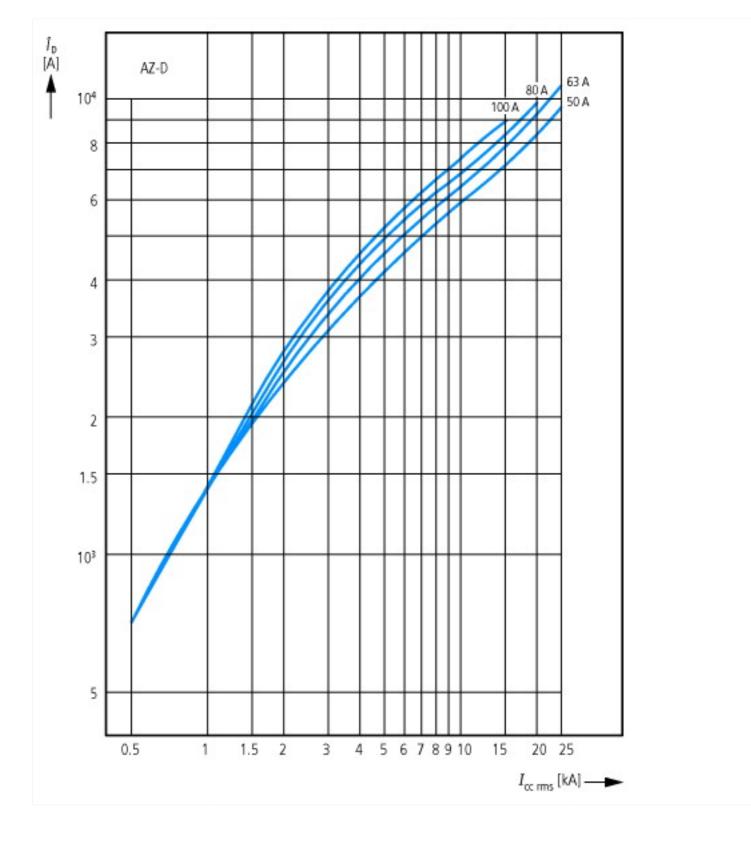
Number of protected poles I I Nominal rated current A B Nominal rated voltage V B Nominal rated voltage V B Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA S Rated short-circuit breaking capacity Icn EN 60997-2 at 230 V KA G Voltage type KA G S Current Imiting class KA S S Frequency KA S S S Concurrently switching N-neutral K S S S Sutable for flush-mounted installation K K S S S Pollution degree	Release characteristic			L
Nominal rated currentA6Nominal rated voltageV40Rated short-circuit breaking capacity Icn EN 60898 at 200 VKA5Rated short-circuit breaking capacity Icn EC 60947-2 at 220 VKA0Rated short-circuit breaking capacity Icu IEC 60947-2 at 220 VKA0Notage typeKA0Voltage typeKA0Current limiting classKA0FrequencyKA0Stable for flush-mounted installationKA5Our voltage categoryKA5Pollution degreeKA5With in number of modular spacingsKAMain AllAdditional equipment possibleKA5	Number of poles (total)			4
Nominal rated voltage V 400 Rated short-circuit breaking capacity Icn EN 60898 at 200 V KA 5 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 5 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn EC 60947-2 at 200 V KA 0 Voltage type KA 0 0 Current limiting class KA 0 0 Frequency KA 0 0 0 Concurrently switching N-neutral KA 0 <	Number of protected poles			1
Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA 25 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 26 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 0 Rated short-circuit breaking capacity Icn EN 60947-2 at 230 V KA 0 Voltage type KA 0 0 Voltage type KA 0 0 Current limiting class KA 0 0 Frequency KA 0 0 0 Suitable for flush-mounted installation KA 0 0 0 Over voltage category KA 0	Nominal rated current	ŀ	A	63
Rated short-circuit breaking capacity lon EN 60898 at 400 V KA 5 Rated short-circuit breaking capacity lou IEC 60947-2 at 230 V KA 0 Rated short-circuit breaking capacity lou IEC 60947-2 at 400 V KA 0 Voltage type KA 0 Current limiting class C S Frequency KA 0 S Suitable for flush-mounted installation KA 9 S Over voltage category KA No S Pollution degree S S S With in number of modular spacings S S S Built-in depth S S S Additional equipment possible S S S	Nominal rated voltage	١	V	400
Rated short-circuit breaking capacity Lou IEC 60947-2 at 230 V KA 0 Rated short-circuit breaking capacity Lou IEC 60947-2 at 400 V KA 0 Voltage type KA Carcent limiting class KA Current limiting class So So So Frequency Hz So So So Suitable for flush-mounted installation M Yes So So Over voltage category M So <	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	kA	25
Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 0 Voltage type AC Current limiting class 3 Frequency Hz 50-60 Concurrently switching N-neutral Sol Sol Suitable for flush-mounted installation G No Over voltage category G Sol Pollution degree G Sol Width in number of modular spacings G Sol Built-in depth mm TS Additional equipment possible Sol Sol	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	kA	25
Voltage typeACCurrent limiting class3FrequencyHz3Concurrently switching N-neutralMaxSo 60Suitable for flush-mounted installationMaxNoOver voltage categoryMax3Pollution degreeSoSoWitth in number of modular spacingsMaxSoBuilt-in depthMaxSoAdditional equipment possibleMaxSo	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	kA	0
Current limiting class Image: Constraint of the second o	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	kA	0
FrequencyHz50-60Concurrently switching N-neutralFYesSuitable for flush-mounted installationIIOver voltage categoryIIPollution degreeIIWitch in number of modular spacingsIIBuit-in depthImmTAdditional equipment possibleImmYes	Voltage type			AC
Concurrently switching N-neutral Yes Suitable for flush-mounted installation No Over voltage category 3 Pollution degree 2 Width in number of modular spacings mm Built-in depth mm Additional equipment possible Yes	Current limiting class			3
Suitable for flush-mounted installationNoOver voltage category3Pollution degree2Width in number of modular spacings6Built-in depthmmAdditional equipment possible6	Frequency	H	Hz	50 - 60
Over voltage category3Pollution degree2Width in number of modular spacings6Built-in depthmmAdditional equipment possible6	Concurrently switching N-neutral			Yes
Pollution degree 2 Width in number of modular spacings Model Built-in depth mm Additional equipment possible Model	Suitable for flush-mounted installation			No
Width in number of modular spacingsM6Built-in depthmm75Additional equipment possibleMM	Over voltage category			3
Built-in depth mm 75 Additional equipment possible Mm 75	Pollution degree			2
Additional equipment possible Yes	Width in number of modular spacings			6
	Built-in depth	r	mm	75
Degree of protection (IP) IP20	Additional equipment possible			Yes
	Degree of protection (IP)			IP20

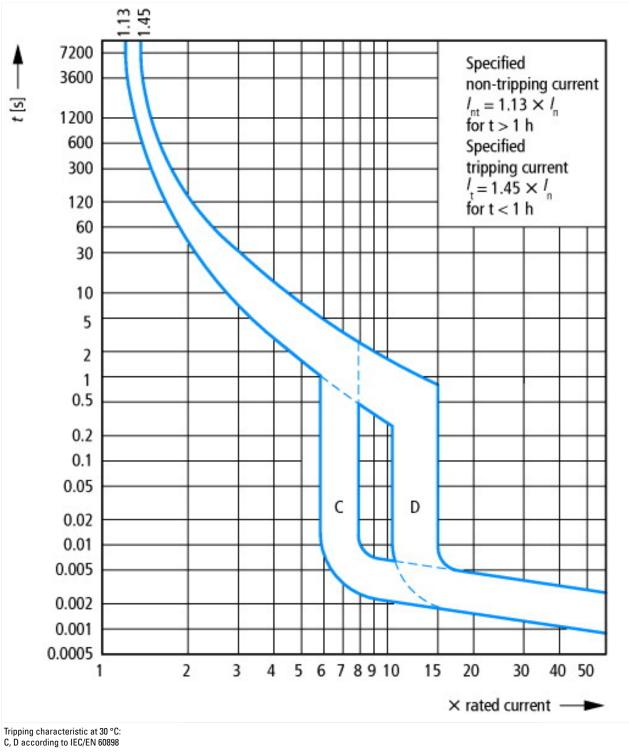






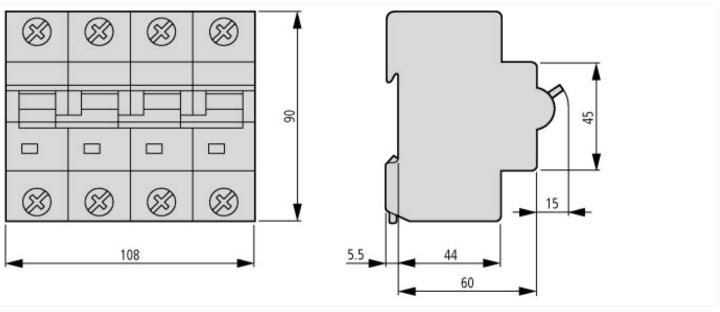






12/15/2016

Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

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