

Over current switch, 16A, 1Np, C-Char, AC

Part no. FAZ-C16/1N Article no. 278674 Catalog No. FAZ-C16/1N



Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole+N
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	16
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Electrical

Rated operational voltage Que V AC V DC Operational switching capacity acc. to IEC/EN 60947-2 Characteristic Max. back-up fuse Selectivity Class Selectivity Class Cherotion of incoming supply IEC/EN 60898 V AC V AC V AC V ACV A(4)415 ACV Oper pole) KA V 5 A 5 B, C, D A 9L/G 125 3 3 4 9L/G 10000 3 required	2.000.100.			
V AC 240/415 Rated switching capacity acc. to IEC/EN 60947-2 Characteristic Max. back-up fuse Selectivity Class Lifespan Direction of incoming supply V AC 240/415 V DC 60 (per pole) KA 15 F. Selectivity Class A gL/g6 25 Selectivity Class A gL/g6 35 Selectivity Class	Standards			
V DC 60 (per pole) Rated switching capacity acc. to IEC/EN 60947-2 Department of Incoming supply V DC 60 (per pole) 61 5 62 5 63 7.5 64 7.5 65 7.5 66 (per pole) 67 7.5 68 7.5 69 7.5	Rated operational voltage	U _e	V	
Rated switching capacity acc. to IEC/EN 60947-2 Characteristic Max. back-up fuse Selectivity Class Lifespan Operations Operations Operations A gL/gG A gL/gG To Discretion of incoming supply		U _e	V AC	240/415
Decrational switching capacity Characteristic Max. back-up fuse Selectivity Class Lifespan Direction of incoming supply Life Selectivity Class Direction of incoming supply Life Selectivity Class Life Selectivity Class Life Selectivity Class Life Selectivity Class A gL/gG			V DC	60 (per pole)
Characteristic Max. back-up fuse Selectivity Class Lifespan Operations Oper	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Max. back-up fuse 125 Selectivity Class 2	Operational switching capacity		kA	7.5
Selectivity Class Lifespan Operations June 2 10000 as required	Characteristic			B, C, D
Operations > 10000 Direction of incoming supply as required	Max. back-up fuse		A gL/gG	125
Direction of incoming supply as required	Selectivity Class			3
	Lifespan	Operations		> 10000
Mechanical Company of the Company of	Direction of incoming supply			as required
	Mechanical			

Standard front dimension	mm	45
Enclosure height	mm	80
Terminal protection		Finger and back-of-hand proof to BGV A2
Mounting width per pole	mm	17.5
Mounting		IEC/EN 60715 top-hat rail
Degree of Protection		IP20, IP40 (when fitted)
Terminals top and bottom		Twin-purpose terminals
Terminal capacities	mm^2	
	mm^2	1 x 25
	mm^2	2 x 10
Thickness of busbar material	mm	0.8 2
Mounting position		As required

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	16
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.6
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
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 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.

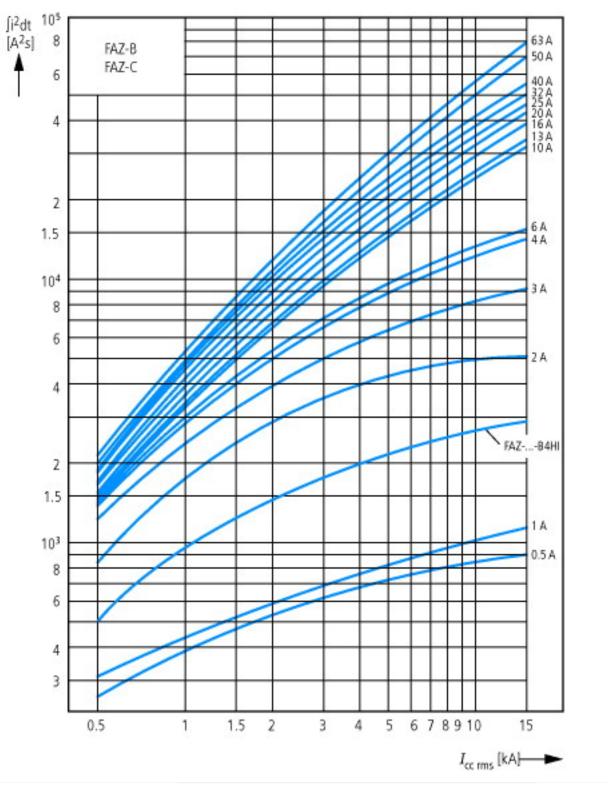
Technical data ETIM 6.0

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

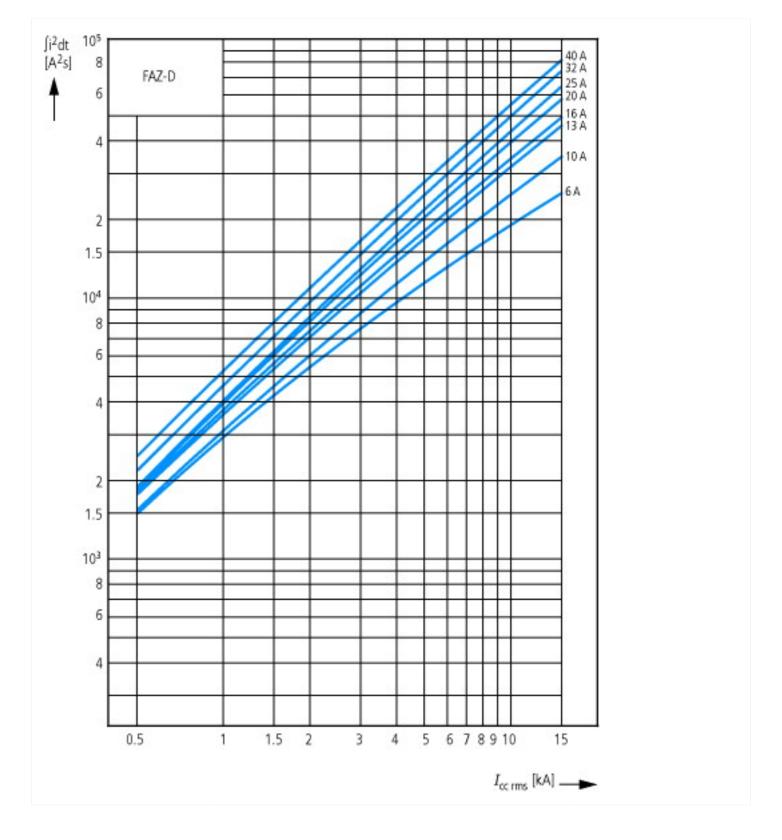
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

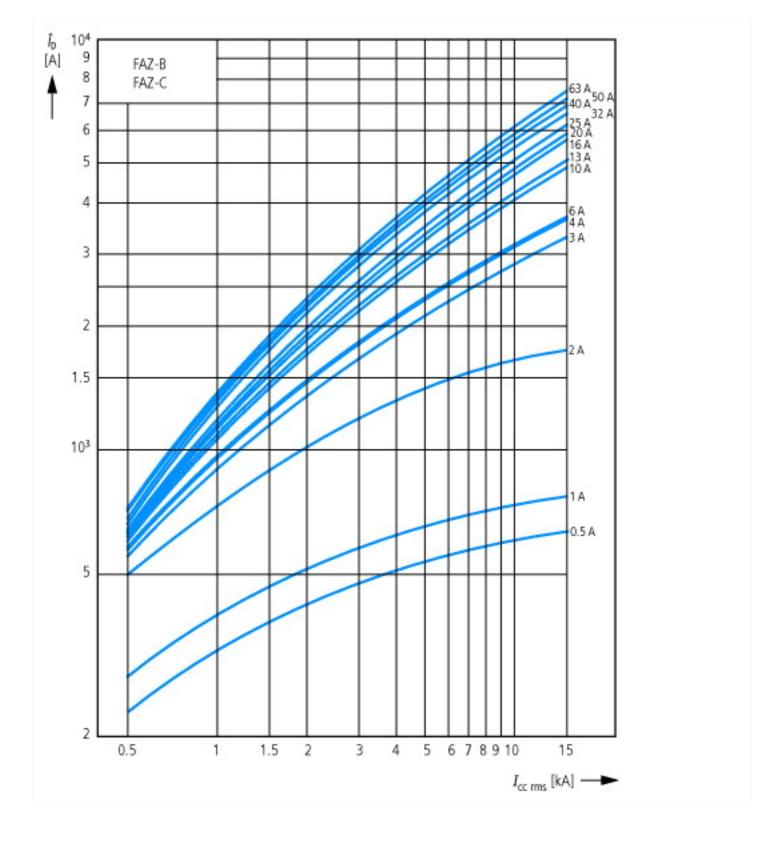
Release characteristic			С
Number of poles (total)			2
Number of protected poles			2
Nominal rated current	А	١	16
Nominal rated voltage	V	,	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k/	Α	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	Α	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k/	Α	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	Α	15
Voltage type			AC
Current limiting class			3
Frequency	H	lz	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	m	nm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20

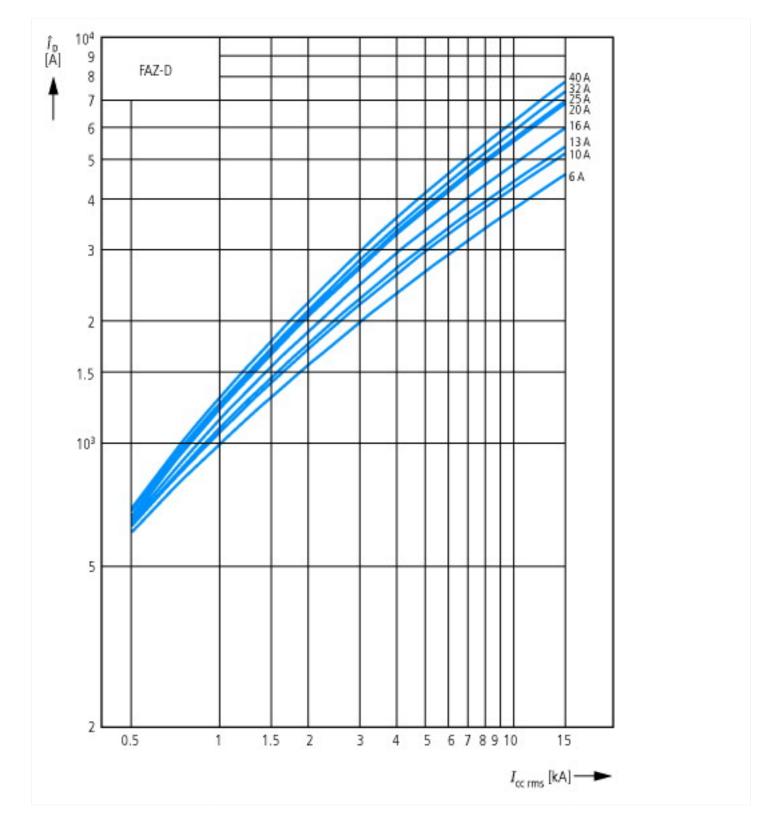
Characteristics

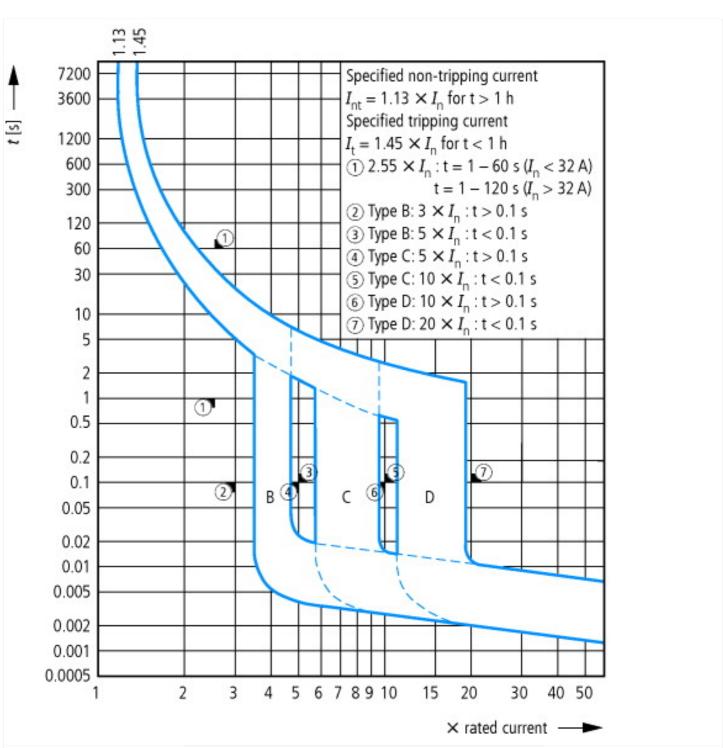


Let-through energy I²t According to IEC/EN 60898

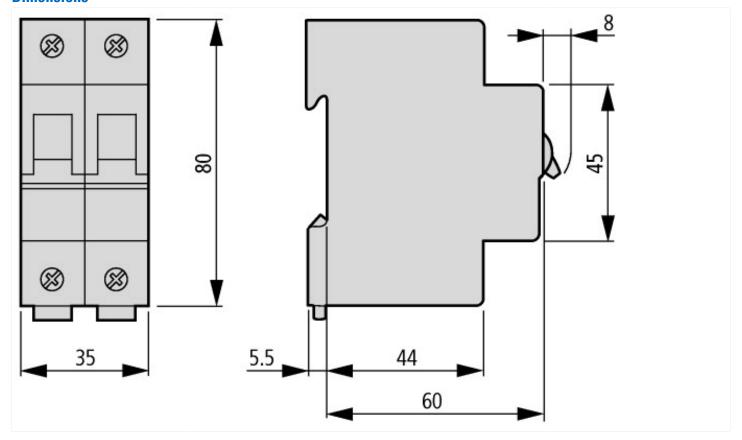








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker ftp://ftp.moeller.net/DC

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