

Over current switch, 15A, 1p, C-Char, AC

Part no. FAZT-C15/1
Article no. 240806
Catalog No. FAZT-C15/1



Similar to illustration

-			
110	IVORV	nro	aram
DE	IIVEIV	UIU	gram

zomony program			
Basic function			Miniature circuit breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	15
Rated switching capacity acc. to IEC/EN 60947-2		kA	25
Product range			FAZ-T

Technical data

Electrical

Mounting position

Standards			IEC/EN 60947-2
Rated voltage		V	240/415
Rated frequency	f	Hz	50/60
Rated switching capacity		kA	25
Characteristic			B, C, D
Lifespan	Operations		20000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
Degree of Protection			IP20
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
Terminal capacities		mm ²	1 - 25
Tightening torque		Nm	2 - 2.4
Thickness of busbar material		mm	0.8 (exept N 0.5 SU)

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	15
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	2.1
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			

As required

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.

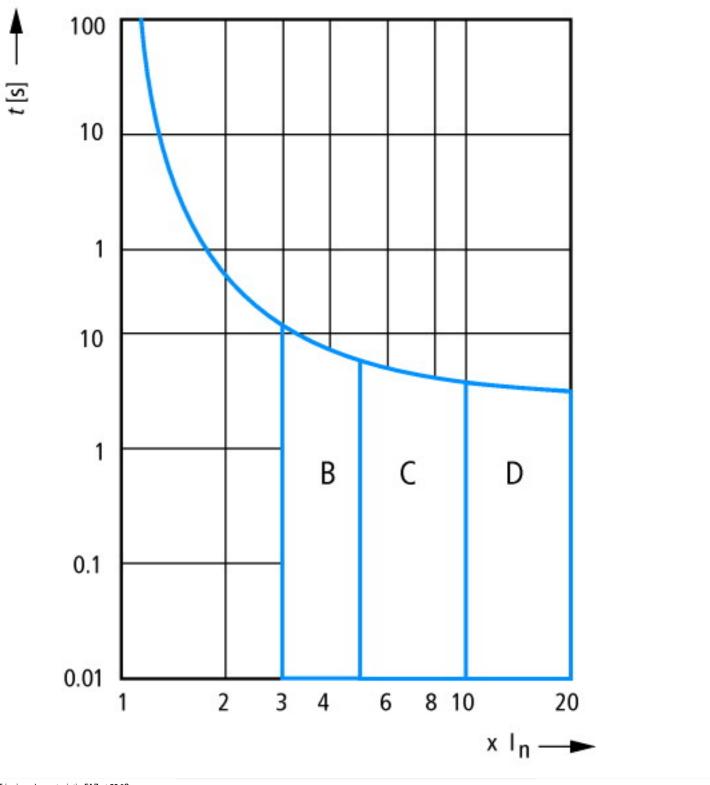
Technical data ETIM 6.0

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	[AAB905011])		
Number of protected poles 1 Nominal rated current A 15 Nominal rated voltage V 240 Rated short-circuit breaking capacity Icn EN 60898 at 230 V kA 15 Rated short-circuit breaking capacity Icn EN 60898 at 400 V kA 15 Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V kA 25 Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V kA 25 Voltage type AC AC Current limiting class 3 AC Concurrently switching N-neutral No No Suitable for flush-mounted installation No No Over voltage category 3 3 Pollution degree 2 2 Width in number of modular spacings 1 2 Built-in depth mmm 70.5 Additional equipment possible Yes	Release characteristic		C
Nominal rated current Nominal rated voltage Nominal rated voltage Rated short-circuit breaking capacity Icn EN 60898 at 230 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icn EN 60897-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Voltage type Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible A 15 Sea 25 AC AC No No No 1 3 3 3 Pollution degree No No No 1 3 Additional equipment possible	Number of poles (total)		1
Nominal rated voltage Rated short-circuit breaking capacity Icn EN 60898 at 230 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible	Number of protected poles		1
Rated short-circuit breaking capacity Icn EN 60898 at 230 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V kA 25 Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V kA 25 Current limiting class Frequency Currently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible	Nominal rated current	Α	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible KA 15 AC 25 AC AC NO NO 3 POllution degree Vies Mm 70.5 Yes	Nominal rated voltage	V	240
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V kA Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible kA 25 AC AC AC No No Suitable for flush-mounted installation No No 1 Suitable for flush-mounted installation No Additional equipment possible kA 25 AC AC AC AC AC AC AC AC AC A	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	15
Voltage typeACCurrent limiting class3FrequencyHz50 - 60Concurrently switching N-neutralNoSuitable for flush-mounted installationNoOver voltage category3Pollution degree2Width in number of modular spacings1Built-in depthmm70.5Additional equipment possibleYes	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	25
Current limiting class Frequency Concurrently switching N-neutral Concurrently switching N-neutral No Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible 3 Possible for flush-mounted installation No 2 Width in number of modular spacings I Additional equipment possible Yes	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	25
Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Additional equipment possible Hz 50 - 60 No No No Attribute No 1 2 Width in number of modular spacings 1 Frequency No	Voltage type		AC
Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Institute of modular spacings Additional equipment possible No 2 Width in number of modular spacings Institute of modular spacings Additional equipment possible No No No No 1 No No No 1 No No	Current limiting class		3
Suitable for flush-mounted installation Over voltage category 3 Pollution degree 2 Width in number of modular spacings 1 Built-in depth mm 70.5 Additional equipment possible No 1 Ves	Frequency	Hz	50 - 60
Over voltage category 3 Pollution degree 2 Width in number of modular spacings 1 Built-in depth mm 70.5 Additional equipment possible Yes	Concurrently switching N-neutral		No
Pollution degree 2 Width in number of modular spacings 1 Built-in depth mm 70.5 Additional equipment possible Yes	Suitable for flush-mounted installation		No
Width in number of modular spacings 1 Built-in depth mm 70.5 Additional equipment possible Yes	Over voltage category		3
Built-in depth mm 70.5 Additional equipment possible Yes	Pollution degree		2
Additional equipment possible Yes	Width in number of modular spacings		1
	Built-in depth	mm	70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20

Characteristics



Tripping characteristic FAZ at 30 °C: B, C, D to IEC/EN 60898

Dimensions

