

Over current switch, 3A, 2p, C-Char, AC

Part no. FAZ-C3/2-RT Article no. 102201 Catalog No. FAZ-C3/2-RT



Similar to illustration

110	INCEN	program
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Number of poles  Tripping characteristic  Application  Rated current  Rated switching capacity acc. to IEC/EN 60947-2  Zepole  C  Switchgear for industrial and advanced commercial applications  kA  15				
Tripping characteristic  Application  Rated current  In A 3  Rated switching capacity acc. to IEC/EN 60947-2  KA 15	Basic function			Miniature circuit breakers
Application Switchgear for industrial and advanced commercial applications  Rated current In A 3  Rated switching capacity acc. to IEC/EN 60947-2 kA 15	Number of poles			2 pole
Rated current In A 3  Rated switching capacity acc. to IEC/EN 60947-2 kA 15	Tripping characteristic			
Rated switching capacity acc. to IEC/EN 60947-2 kA 15	Application			Switchgear for industrial and advanced commercial applications
	Rated current	In	Α	3
Product range FAZ-RT	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
	Product range			FAZ-RT

## **Technical data**

#### Electrical

Standards			UL 489, CSA C22.2 No. 5 IEC 60947-2
Rated operational voltage	U <sub>e</sub>	V	
	U <sub>e</sub>	V AC	277/480 Y
		V DC	48
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Characteristic			B, C, D
Selectivity Class			3
Lifespan	Operations		> 20000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	105
Terminal protection			Finger and back-of-hand proof to BGV A2
Mounting width per pole		mm	17.7
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Mounting position			As required

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	3
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	2.4
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
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 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])

Number of protected poles  Nominal rated current  A 3  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 240 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at	Release characteristic		C
Nominal rated current  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 Icu IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Voltage type  Current limiting class  Frequency  Current limiting 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 poles (total)		2
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 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 Current limiting N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible  V 415  AC  0 C CONDITION AND CONDITION CONDITI	Number of protected poles		2
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 Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V Rated short-circuit breaking capacit	Nominal rated current	Α	3
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 15  Voltage type AC 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 0 15  AC  AC  AC  No  No  Suitable for flush-mounted installation  mm 70.5  Additional equipment possible	Nominal rated voltage	V	415
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  AC  NO  No  No  No  No  2  2  Hz  2  Yes	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V  Voltage type  AC  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  AC  AC  No  No  Suitable 50 - 60  No  2  No  No  70-5  Additional equipment possible	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	0
Voltage type Current limiting class Signature of 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 AC  AC  No  No  Surable for 60  No  No  2  No  No  Over voltage category 2  Width in number of modular spacings Built-in depth Additional equipment possible Yes	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15
Current limiting class  Frequency Concurrently switching N-neutral 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  3  No  No  2  2  Width in number of modular spacings mm 70.5  Additional equipment possible  Yes	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	15
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  Hz 50 - 60 No No Over voltage category 2 2 Suitable for flush-mounted installation No 2 2 Suitable for flush-mounted installation No 3 3 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Voltage type		AC
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  No  2  Ves	Current limiting class		3
Suitable for flush-mounted installation  Over voltage category  3  Pollution degree  2  Width in number of modular spacings  Built-in depth  Additional equipment possible  No  2  Yes	Frequency	Hz	50 - 60
Over voltage category  Pollution degree  2  Width in number of modular spacings  Built-in depth  mm  70.5  Additional equipment possible  3  Wes	Concurrently switching N-neutral		No
Pollution degree 2 Width in number of modular spacings 2 Built-in depth mm 70.5 Additional equipment possible Yes	Suitable for flush-mounted installation		No
Width in number of modular spacings 2 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		2
	Built-in depth	mm	70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20

# **Approvals**

Product Standards	IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking
UL File No.	E235139
UL Category Control No.	DIVQ
CSA File No.	204453
CSA Class No.	1432-01

North America Certification	UL listed, CSA certified
Specially designed for North America	Yes, suitable as BCPD
Suitable for	Feeder circuits, branch circuits
Current Limiting Circuit-Breaker	Yes
Max. Voltage Rating	≤ 32 A
Degree of Protection	IEC: IP20, UL/CSA Type: -

## Characteristics



