

Over current switch, 4A, 2p, type B characteristic

Powering Business Worldwide

Part no. FAZ-B4/2 Article no. 278726 Catalog No. FAZ-B4/2

Similar to illustration

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Delivery program	ı

Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	4
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

Technical data

Electrical

Rated switching capacity acc. to IEC/EN 60947-2	kA	15	
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Design verification as per IEC/EN 61439

Design vermoanon as per 126/214 01433			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	4
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.9
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.

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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

Release characteristic Rubber of poles (total) Number of poles (total) Number of protected poles	[AAB905011])		
Number of protected poles Nominal rated current A 4 Nominal rated voltage V 400 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 220 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 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 200 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu IEC 6094	Release characteristic		В
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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 Hz 50 - 60 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 kA 15 AC AC AC AC No No No No No No No Additional equipment possible kA 15 AC AC AC AC AC AC AC AC AC A	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	kA 10
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 No 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 AC AC AC No No Suitable for flush-mounted installation No No Over voltage category 2 Width in number of modular spacings Built-in depth Additional equipment possible Yes	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	kA 10
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 AC AC AC NO Suitable for flush-mounted installation No Voltage category 2 Width in number of modular spacings Built-in depth Additional equipment possible PAC AC AC AC AC AC AC TO TO TO TO TO TO TO TO TO T	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	kA 15
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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 2 2 8 4 4 5 5 5 6 6 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Voltage type		AC
Concurrently switching N-neutral No Suitable for flush-mounted installation No Over voltage category 3 Pollution degree 2 Width in number of modular spacings 2 Built-in depth mm 70.5 Additional equipment possible Yes	Current limiting class		3
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	Frequency	Hz	Hz 50 - 60
Over voltage category Pollution degree Width in number of modular spacings Built-in depth mm 70.5 Additional equipment possible 3 Pollution degree 2 Width in number of modular spacings Yes	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	mm 70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20

Approvals

E177451 Category Control No. C	• •	
Category Control No. A File No. A Class No. A Class No. A Class No. Category Control No. Category Control No. Category Control No. Country Country Country Category Control No. Category Con	Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
A File No. A Class No. A Class No. A Class No. B Class No. Cl	UL File No.	E177451
A Class No. 13215-30 14th America Certification 15th Am	UL Category Control No.	QVNU2, QVNU8
th America Certification UL recognized, CSA certified ditions of Acceptability able for Branch Circuits; not as BCPD rent Limiting Circuit-Breaker No 480Y/277 VAC; 96 VDC	CSA File No.	204453
ditions of Acceptability Supplementary Protector only Branch Circuits; not as BCPD rent Limiting Circuit-Breaker No 480Y/277 VAC; 96 VDC	CSA Class No.	3215-30
able for Branch Circuits; not as BCPD rent Limiting Circuit-Breaker No 480Y/277 VAC; 96 VDC	North America Certification	UL recognized, CSA certified
rent Limiting Circuit-Breaker No 480Y/277 VAC; 96 VDC	Conditions of Acceptability	Supplementary Protector only
c. Voltage Rating 480Y/277 VAC; 96 VDC	Suitable for	Branch Circuits; not as BCPD
	Current Limiting Circuit-Breaker	No
ree of Protection IEC: IP20; UL/CSA Type: -	Max. Voltage Rating	480Y/277 VAC; 96 VDC
	Degree of Protection	IEC: IP20; UL/CSA Type: -