

Over current switch, 4A, 3p, C-Char, AC



FAZ-C4/3-NA 102242 FAZ-C4/3-NA



Similar to illustration

### **Delivery program**

Basic function			Miniature circuit breakers
Number of poles			3 pole
Tripping characteristic			C
Application			Switchgear for export to North America (UL-listed)
Rated current	In	А	4
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ-NA

### **Technical data**

StandardsIn the second sec				
Image: Add per adio and intermediate and per adio and intermediate and per adio andide adio and per adio adio andio adio adio adio adio ad	Electrical			
Image: Provide and Provid	Standards			
VDC     VDC     4       Rated switching capacity acc. to IEC/EN 60947-2     KA     5       Characteristic     KA     5       Selectivity Class     KA     6, C       Lifespan     Vertains     5       Direction of incoming supply     Vertains     2000       Mechanical     Vertains     5       Standard front dimension     mm     5       Terminal protection     Mm     5       Mounting     Mm     5       Mounting     Mm     5       Derection of incoming supply     Mm     5       Mounting     Mm     5       Standard front dimension     Mm     5       Terminal protection     Mm     5       Mounting     Mm     5       Mounting     Mm     5       Degree of Protection     Mm     5       Standard for the protection     F     Mm     5       Mounting     F     Mm     5     5       Mounting     F     Mm     5     5	Rated operational voltage	Ue	V	
Rated switching capacity acc. to IEC/EN 60947-2     Ka     Ka     Is       Characteristic     Selectivity Class     B, D, D     Selectivity Class     3       Selectivity Class     Operations     Seloure Selectivity Class     Seloure Seloure Selectivity Class     Seloure S		Ue	V AC	277/480 Y
Characteristic   B, C, D     Selectivity Class   3     Lifespan   Operations   > 2000     Direction of incoming supply   arequired     Mechanical   mm   4     Standard front dimension   mm   15     Terminal protection   mm   15     Mounting width per pole   mm   15     Mounting   1.7   15     Pogree of Protection   mm   12			V DC	48
Selectivity Class   Per ations   3     Lifespan   > 2000     Direction of incoming supply   as required     Mechanical	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Lifespan   Operations   >2000     Direction of incoming supply   as required     Mechanical   stratument     Standard front dimension   mm   5     Enclosure height   mm   105     Terminal protection   mm   105     Mounting width per pole   mm   17.7     Mounting   Image: March State St	Characteristic			B, C, D
Direction of incoming supply   Image: Sequired as required	Selectivity Class			3
Mechanical     mm     45       Standard front dimension     mm     45       Enclosure height     mm     105       Terminal protection     mm     17.7       Mounting width per pole     mm     16/EN 60715 top-hat rail       Degree of Protection     ICI Page and back-of-lead prode fitted)       Terminals top and bottom     Get Page and page terminals	Lifespan	Operations		> 20000
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   1.7     Mounting   EC/EN 60715 top-hat rail     Degree of Protection   Image: Standard from the standard	Direction of incoming supply			as required
Enclosure height   mm   105     Terminal protection   Finger and back-of-hand proof to BGV A2     Mounting width per pole   mm   1.7     Mounting   EC/EN 60715 top-hat rail   1200     Degree of Protection   IP20, IP40 (when fitted)   1200, IP40 (when fitted)	Mechanical			
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 IEO, IP40 (when fitted)   Terminals top and bottom IEO Image:	Standard front dimension		mm	45
Mounting width per pole mm T.7   Mounting IEC/EN 60715 top-hat rail   Degree of Protection IEO, IP40 (when fitted)   Terminals top and bottom IEO	Enclosure height		mm	105
Mounting IEC/EN 60715 top-hat rail   Degree of Protection IEC/EN 60715 top-hat rail   Terminals top and bottom Image: State of the	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection IP20, IP40 (when fitted)   Terminals top and bottom Twin-purpose terminals	Mounting width per pole		mm	17.7
Terminals top and bottom Twin-purpose terminals	Mounting			IEC/EN 60715 top-hat rail
	Degree of Protection			IP20, IP40 (when fitted)
Mounting position As required	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	А	4
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	4.3
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	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])

Release characteristic		C
Number of poles (total)		3
Number of protected poles		3
Nominal rated current	А	4
Nominal rated voltage	V	415
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	15
Voltage type		AC
Current limiting class		3
Frequency	Hz	50 - 60
Concurrently switching N-neutral		No
Suitable for flush-mounted installation		No
Over voltage category		3
Pollution degree		2
Width in number of modular spacings		3
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP)		IP20

Approvals

, photos	
Product Standards	IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking
UL File No.	E235139
UL Category Control No.	ΟΙνα
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
Current Limiting Circuit-Breaker
Max. Voltage Rating
Degree of Protection

Feeder circuits, branch circuits

Yes ≤ 32 A

IEC: IP20, UL/CSA Type: -

### **Characteristics**



