

Over current switch, 1A, 3p, D-Char, AC

Part no. Article no. Catalog No. FAZ-D1/3-NA 102258 FAZ-D1/3-NA



Similar to illustration

Delivery program

Basic function			Miniature circuit breakers
Number of poles			3 pole
Tripping characteristic			D
Application			Switchgear for export to North America (UL-listed)
Rated current	I _n	А	1
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ-NA

Technical data

StandardsIn the second sec				
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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 Boge of Protection Mm 5 Degree of Protection Mm 5 Terminals top and bottom F Mm 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-load group for BGV A2 Terminals top and bottom General IE/EN 60715 top-hat rail	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	I _n	А	1
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.3
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	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		D
Number of poles (total)		3
Number of protected poles		3
Nominal rated current	А	1
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



