

Over current switch, 32A, 3p, C-Char, AC

Part no. Article no. Catalog No. FAZ-C32/3-RT 102294 FAZ-C32/3-RT



Similar to illustration

Delivery program

Basic function			Miniature circuit breakers
Number of poles			3 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	I _n	А	32
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ-RT

Technical data Electrical

Shadards Sector Secto	Electrical			
Image: Provide a constraint of the second	Standards			
Rade switching capacity acc. to EC/EN 60947-2 VDC A Rade switching capacity acc. to EC/EN 60947-2 KA 5 Characteristic B, C, D 5 Selectivity Class S 5 Lifespan Vertains 2000 Direction of incoming supply Vertains s required Mechanical Vertains 5 Standard front dimension Manage Manage Terminal protection Manage Manage Mounting width per pole Manage Manage Mounting Trainal front dimension Trainal protection Mounting Manage Manage Manage Mounting For protection Trainal protection Trainal protection Mounting Manage Manage Trainal protection Terminals top and bottom Manage Trainal protection Trainal protection	Rated operational voltage	Ue	V	
Rated switching capacity acc. to IEC/EN 60947-2 KA I Characteristic B, C, D B, C, D Selectivity Class Source Construction		U _e	V AC	277/480 Y
Characteristic B, C, D Selectivity Class 3 Lifespan Operations >2000 Direction of incoming supply arequired Mechanical mm 45 Standard front dimension mm 15 Terminal protection mm 15 Mounting width per pole mm 15 Mounting mm 15 Mounting mm 15 Mounting mm 15 Pereore mm 15 Mounting mm 15 Mounting mm 15 Pereore mm 15 Mounting mm 15			V DC	48
Selectivity Class A per ations 3 Lifespan Operations >2000 Direction of incoming supply as required Mechanical Image: Selection of incoming supply Sandard front dimension Standard front dimension Image: Selection of incoming supply Selection of incoming supply Funciosure height Image: Selection of incoming supply Selection of incoming supply Nounting width per pole Image: Selection of incoming supply Image: Selection of incoming supply Nounting Selection of incoming supply Image: Selection of incoming supply Degree of Protection Selection of incoming supply Image: Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection of incoming supply Selection o	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Lifespan Operations >2000 Direction of incoming supply as required Mechanical Image: Second Se	Characteristic			B, C, D
Direction of incoming supply And a sequired Mechanical Standard front dimension mm 45 Enclosure height mm 105 Terminal protection mm 105 Mounting width per pole mm 1.7 Pereor Protection Mm 1.7 Degree of Protection Mm 1.2 Terminals top and bottom Mm 1.2	Selectivity Class			3
Mechanical Mechanical Standard front dimension mm 45 Enclosure height mm 105 Terminal protection mm Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 17.7 Degree of Protection Per pole IEC/EN 60715 top-hat rail Terminals top and bottom Per pole IP20, IP40 (when fitted)	Lifespan	Operations		> 20000
Standard front dimension mm 45 Enclosure height mm 105 Terminal protection mm 1,7 Mounting width per pole mm 1,7 Degree of Protection MM 1,7 Terminal stop and bottom 1,2000000000000000000000000000000000000	Direction of incoming supply			as required
Enclosure height mm 50 Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.7 Mounting Finger and back-of-hand proof to BGV A2 E/E/EN 60715 top-hat rail Degree of Protection Finder Area 120, 1240 (when fitted) Terminals top and bottom Finder Area Finder Area	Mechanical			
Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole mm 1.7. Mounting IEC/EN 60715 top-hat rail Degree of Protection IEO, IP40 (when fitted) Terminals top and bottom Image: Imag	Standard front dimension		mm	45
Mounting width per pole mm 17.7 Mounting EC/EN 60715 top-hat rail Degree of Protection F20, IP40 (when fitted) Terminals top and bottom F10, IP20, IP40 (when fitted)	Enclosure height		mm	105
Mounting IEC/EN 60715 top-hat rail Degree of Protection IP20, IP40 (when fitted) Terminals top and bottom Image: Comparison of the sector of t	Terminal protection			Finger and back-of-hand proof to BGV A2
Degree of Protection IP20, IP40 (when fitted) Terminals top and bottom 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	32
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	10.2
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		C
Number of poles (total)		3
Number of protected poles		3
Nominal rated current	А	32
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

Product StandardsIEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE markingUL File No.E35139UL Category Control No.INOCSA File No.INOCSA File No.1432-01North America CertificationINOSpecially designed for North AmericaINOSpecially designed for North AmericaINOInternet </th <th>· · · · · · · · · · · · · · · · · · ·</th> <th></th>	· · · · · · · · · · · · · · · · · · ·	
UL Category Control No. DVQ CSA File No. 204453 CSA Class No. 1432-01 North America Certification CSA Class No.	Product Standards	IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking
CSA File No. 204453 CSA Class No. 1432-01 North America Certification CSA Certified	UL File No.	E235139
CSA Class No. 1432-01 North America Certification Listed, CSA certified	UL Category Control No.	DIVQ
North America Certification UL listed, CSA certified	CSA File No.	204453
	CSA Class No.	1432-01
Specially designed for North America Yes, suitable as BCPD	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



