## DATASHEET - FAZ-C32/4

Miniature circuit breaker (MCB), 32A, 4p, C-Char, AC



Part no.	FAZ-C32/4
Catalog No.	279064
Alternate Catalog	FAZ-C32/4
No.	
EL-Nummer	0001695197
(Norway)	

### **Delivery program**

Basic function			Miniature circuit-breakers
Number of poles			4 pole
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	32
Rated switching capacity acc. to IEC/EN 60947-2	l <sub>cu</sub>	kA	15
Product range			FAZ

### **Technical data**

Electrical

StandardsIEC/EN 60947-2 IEC/EN 60898Rated operational voltageUeVLet operational voltageUeVACVeVAC40/415Rated voltage according to ULVnVACRated voltage according to ULUnVACRated switching capacity acc. to IEC/EN 60947-2IeuKABreaking capacity according to IEC/EN 60947-2VAC10 (UL1077)Max operational voltage according to IEC/EN 60947-2 (max operational voltage)IeuKARated switching capacity according to IEC/EN 60947-2 (max operational voltage)IeuKARated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)IeuKARated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)IeuKARated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)IeuKARated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)IeuKAIeuIeuIeuIeuIeuRated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)Ieu	
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Max operational voltage according to IEC/EN 60947-2   v	
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)   Icu   KA   10     Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)   Ics   XA   7,5 kA	
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage) 7,5 kA	
operational voltage)	
Rated voltage according to IEC/EN 60898-1 Un VAC 415	
Rated switching capacity according to IEC/EN 60898-1 Icn kA 10	
Rated service short-circuit breaking capacity according to IEC/EN 60898-1 I <sub>cs</sub> 7,5 kA	
Operational switching capacity kA 7.5	
Characteristic B, C, D, K, S, Z	
Max. back-up fuse A gL/gG 125	
Selectivity Class 3	
lifespan	
Lifespan Operations > 10000	
Direction of incoming supply as required	
Mechanical	
Standard front dimension mm 45	
Enclosure height 80	
Mounting width per pole mm 17.5	
Mounting IEC/EN 60715 top-hat rail	
Degree of Protection IP20, IP40 (when fitted)	
Terminals top and bottom Twin-purpose terminals	
Terminal protection Finger and back-of-hand proof to BGV A2	
Terminal capacities mm <sup>2</sup>	
mm <sup>2</sup> 1 x 25	
mm <sup>2</sup> 2 x 10	
Thickness of busbar material mm 0.8 2	

# 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 <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	14.8
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	-40
Operating ambient temperature max.		°C	75
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
EC/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 b observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

As required

#### **Technical data ETIM 7.0**

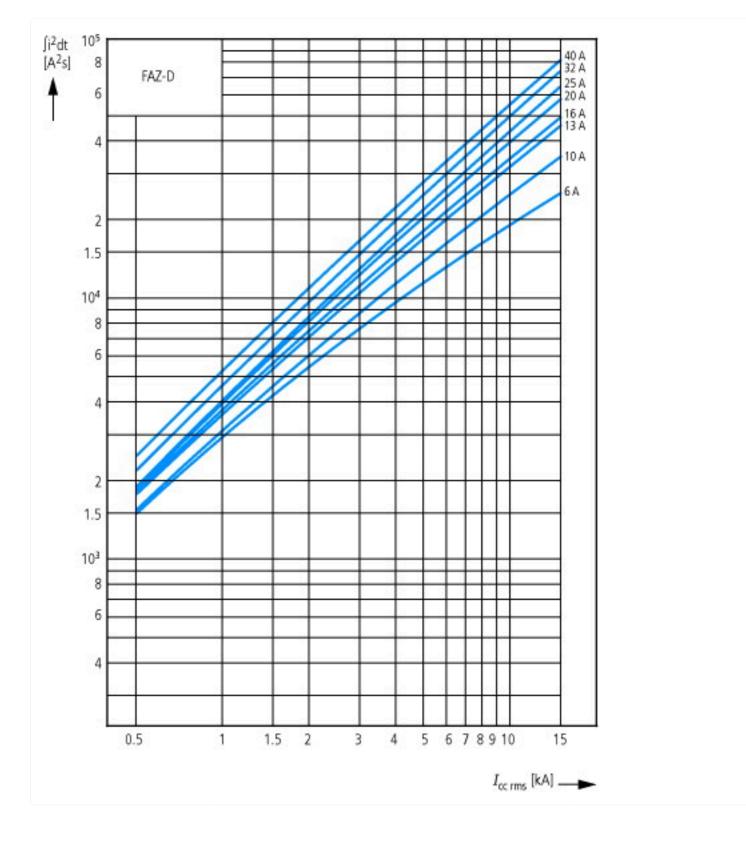
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

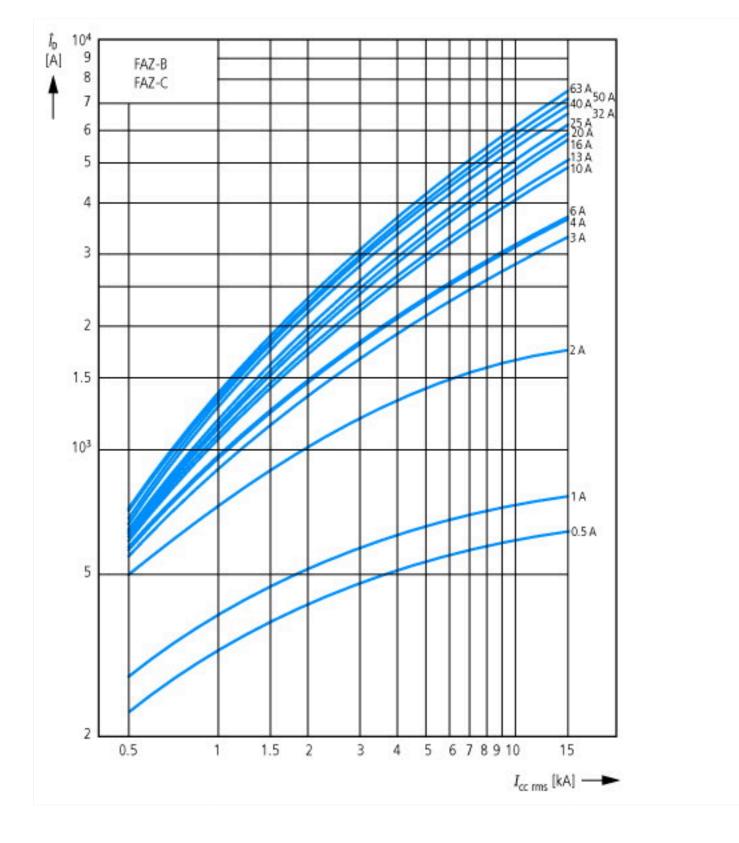
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])			
		C	
		4	
		4	
	Α	32	
	V	400	
	V	440	
	kV	4	
	kA	10	
	kA	10	
	kA	15	
	kA	15	
		A V	

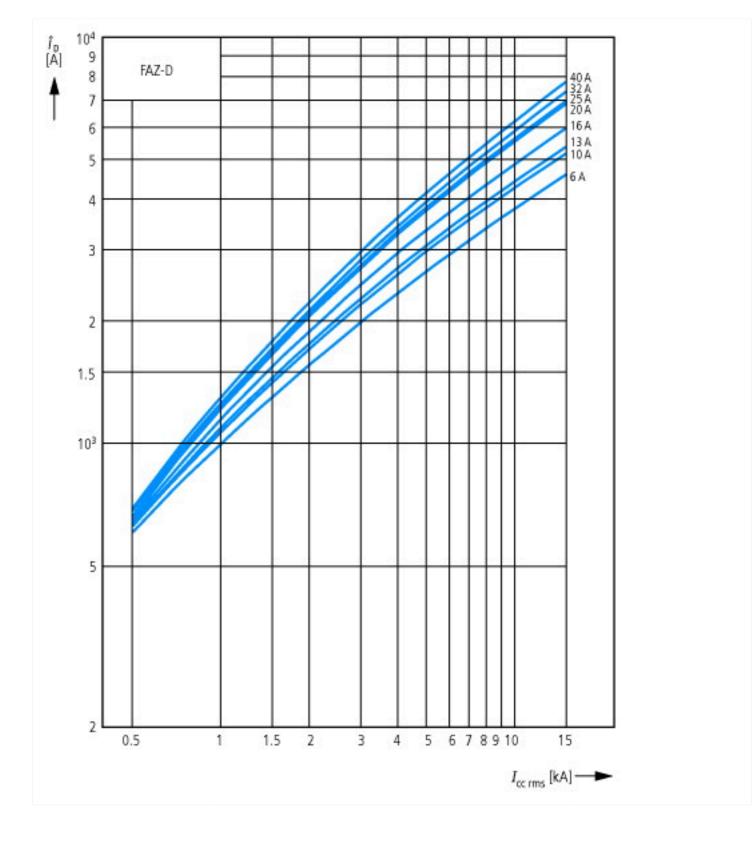
Voltage type		AC
Frequency	Hz	50 - 60
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		4
Built-in depth	mm	70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25

## **Characteristics**



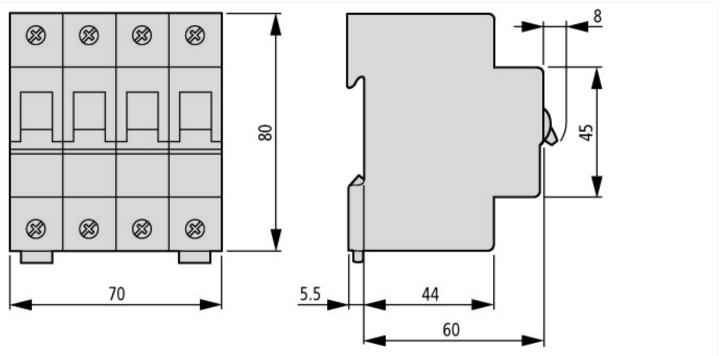








## **Dimensions**



# Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/17550701.pdf