

Part no.

Article no.

Catalog No.

Over current switch, 63A, 3p, C-Char, AC

FAZ-C63/3

FAZ-C63/3

278879



Similar to illustration

<b>Delivery programme</b>	e
---------------------------	---

Basic function			Miniature circuit breakers
Number of poles			3 pole
Tripping characteristic			С
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	63
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ

#### **Technical data**

#### Electrical

Standards			IEC/EN 60947-2 IEC/EN 60898		
Rated operational voltage	U <sub>e</sub>	V			
	U <sub>e</sub>	V AC	230/400		
		V DC	48 (per pole)		
Rated switching capacity acc. to IEC/EN 60947-2		kA	15		
Operational switching capacity		kA	7.5		
Characteristic			B, C, D		
Max. back-up fuse		A gL/gG	125		
Selectivity Class			3		
Lifespan	Operations		> 10000		
Direction of incoming supply			as required		
Mechanical					
Standard front dimension		mm	45		
Enclosure height		mm	80		

Enclosure height  Terminal protection  Mounting width per pole  Mounting  Mounting  Terminals top and bottom  Terminal capacities  Terminal capacities  Thickness of busbar material  Mounting  Mounting  Mounting  Mounting  Mounting  Mounting  Mounting  Mounting  Mounting  Tinger and back-of-hand proof to BGV A2  Finger and back-of-hand proof to BGV A2  Finder and	Wechanical		
Terminal protection mm 17.5  Mounting width per pole mm 17.5  Mounting Corporation EC/EN 60715 top-hat rail EC/EN 60715 top-hat rail EC/EN 60715 top-hat rail Terminals top and bottom mm 2 twin-purpose terminals  Terminal capacities mm2 1x25  Terminal capacities mm2 1x25  Thickness of busbar material mm2 0.8 2	Standard front dimension	mm	45
Mounting width per pole  Mounting  Mounting  Degree of Protection  Terminals top and bottom  Terminal capacities  mm²  Invin-purpose terminals  mm²  Invin-p	Enclosure height	mm	80
Mounting Degree of Protection Terminals top and bottom Terminal capacities  mm²  l x 25  mm²  Thickness of busbar material  l EC/EN 60715 top-hat rail  lEC/EN 60715 top-hat rail  liEC/EN 60715 top-hat rail  lEC/EN 60715 top-hat rail	Terminal protection		Finger and back-of-hand proof to BGV A2
Degree of Protection Terminals top and bottom Terminal capacities Thickness of busbar material Thickness of busbar material Thickness of busbar material Thickness of busbar material Thickness of Protection Twin purpose terminals	Mounting width per pole	mm	17.5
Terminals top and bottom Terminal capacities  mm²  lxiii-purpose terminals  mm²  lx 25  mm²  lx 25  mm²  2x 10  Thickness of busbar material  mm 0.82	Mounting		IEC/EN 60715 top-hat rail
Terminal capacities $mm^2$ $mm^2$ $1 \times 25$ $mm^2$ $2 \times 10$ Thickness of busbar material $mm^2$ $mm^$	Degree of Protection		IP20, IP40 (when fitted)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Terminals top and bottom		Twin-purpose terminals
mm <sup>2</sup> 2 x 10 Thickness of busbar material mm 0.8 2	Terminal capacities	$mm^2$	
Thickness of busbar material mm 0.8 2		$mm^2$	1 x 25
		$mm^2$	2 x 10
Mounting position As required	Thickness of busbar material	mm	0.8 2
	Mounting position		As required

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	63
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	17.2
Static heat dissipation, non-current-dependent	$P_{vs}$	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

For Sales and Support call KMParts.com (866) 595-9616

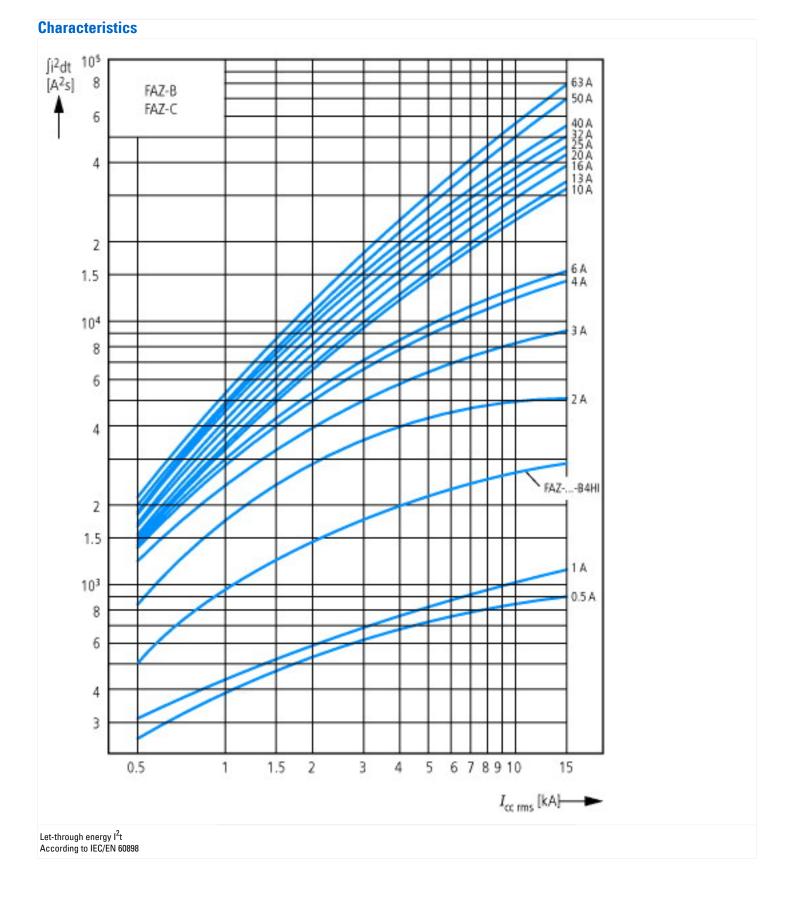
10.2 Strength of materials and parts	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product 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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction

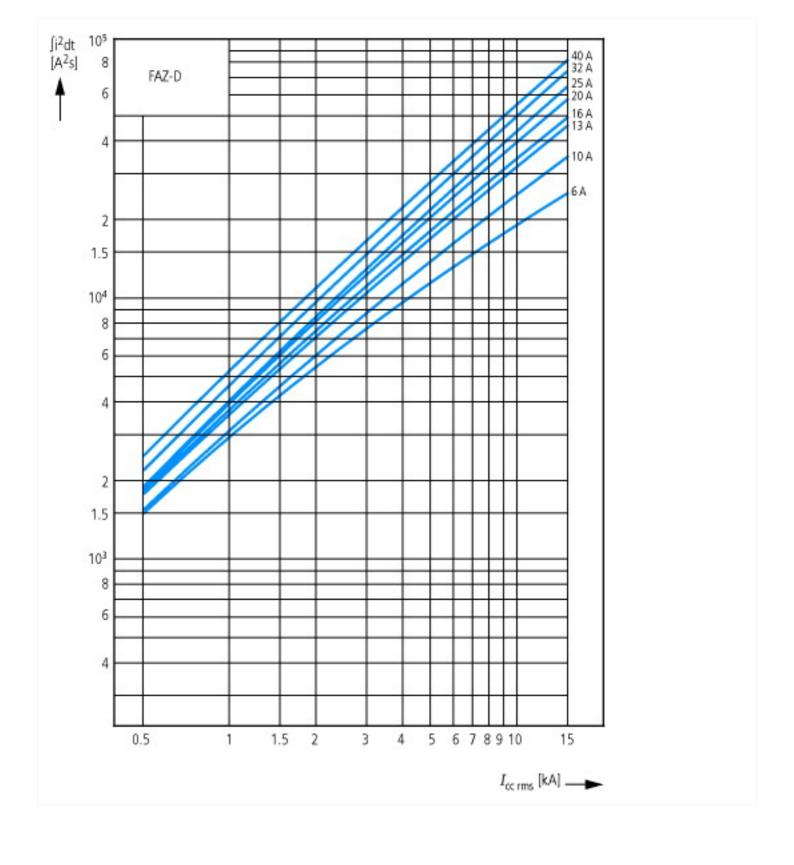
### **Technical data ETIM 6.0**

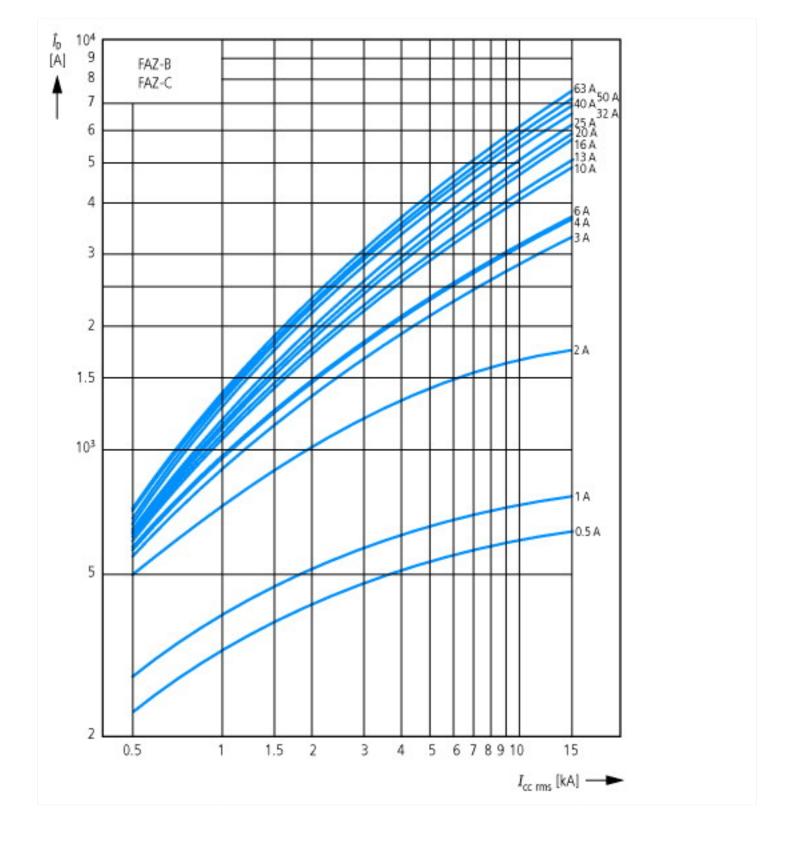
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

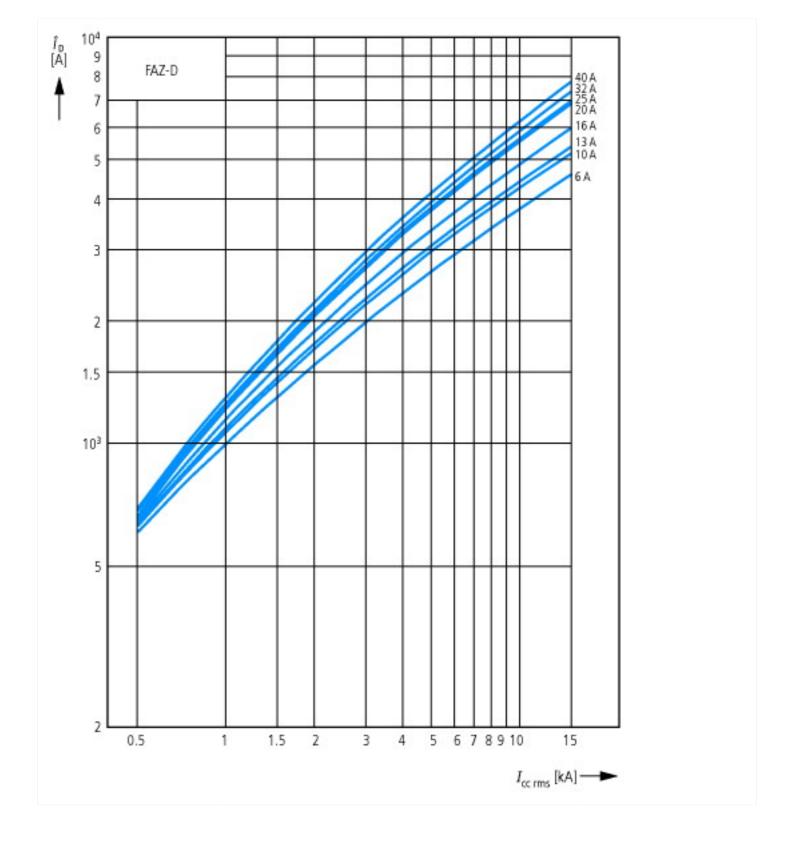
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

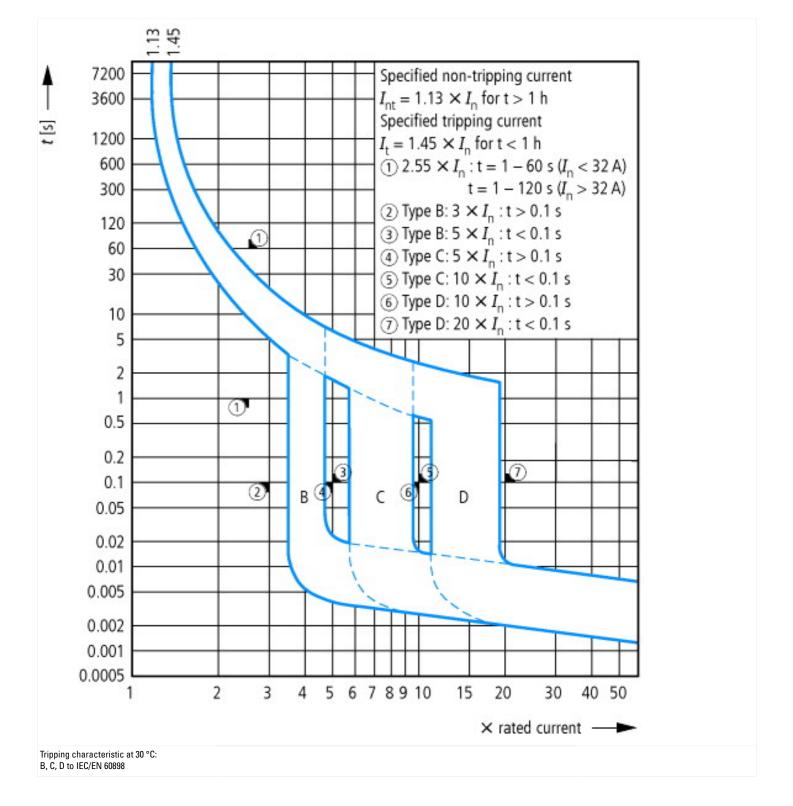
[AAD300011])			
Release characteristic			С
Number of poles (total)			3
Number of protected poles			3
Nominal rated current	А	4	63
Nominal rated voltage	V	/	400
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	κA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	κA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	κA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	κA	15
Voltage type			AC
Current limiting class			3
Frequency	H	łz	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	m	nm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20



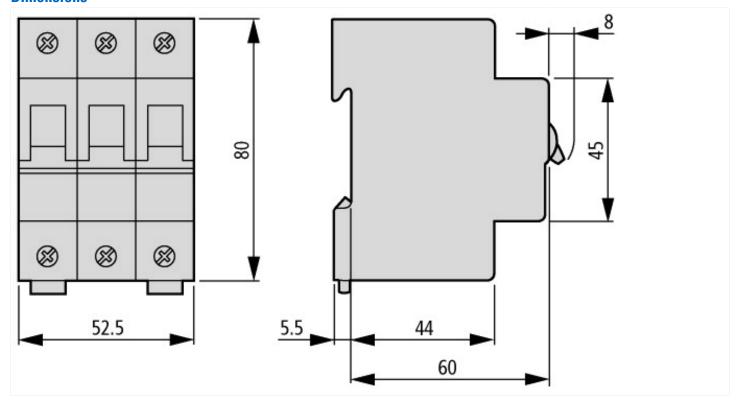








### **Dimensions**



# **Additional product information (links)**

AWA1220-	1755	Circint	hreaker

AWA1220-1755 Circiut-breaker

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