



FAZT-C3/2 240838 FAZT-C3/2



#### Similar to illustration

		Miniature circuit breakers
		2 pole
		C
		Switchgear for industrial and advanced commercial applications
In	А	3
	kA	25
		FAZ-T
	I <sub>n</sub>	

### **Technical data**

Standards   Image: Im				
Name     N     N       Aded voltage     V     4/415       Atade drequency     FR     R     5/60       Atade switching capacity     KA     5/60     5/60       characteristic     Freedom     S     5/60     5/60       cifespan     Operations     S     5/60	Electrical			
Hz     Hz     Sold       Atad frequency     F     Hz     Sold       Atad switching capacity     KA     Sold     Sold       characteristic     Operations     Sold     Sold     Sold       lifespan     Operations     Sold	Standards			IEC/EN 60947-2
kade switching capacity     kam     5       characteristic     B, C, D     B, C, D       ifespan     Operations     2000     sequired       Direction of incoming supply     as required     sequired       Accharical     mm     45     Second       Accharical     mm     9     Second	Rated voltage		V	240/415
Characteristic     B     C       Characteristic     B     C     D       Lifespan     Deperations     2000     as required       Direction of incoming supply     as required     as required       Acchanical     mm     \$       Acchanical     mm     \$       Action of incoming supply     mm     \$	Rated frequency	f	Hz	50/60
ifespan   Operations   20000     Direction of incoming supply   as required     Acchanical   mm   45     Incode of incoming supply   mm   80     Acchanical   mm   80     Accurring width per pole   mm   17.5     Accurring   March   March     Accurring width per pole   Mm   12.6     Accurring   Mm   12.5     Accurring width per pole   Mm   12.0     Accurring   Mm   12.0     Accurring   Mm   12.0     Accurring   Mm   12.0     Accurring width per pole   Mm   12.0     Accurring   Mm   12.0     Accurring width per pole   Mm   2.2     Accurring width per pole   Mm   2.24     Accurring width	Rated switching capacity		kA	25
Incentional   Incention   Incention <td>Characteristic</td> <td></td> <td></td> <td>B, C, D</td>	Characteristic			B, C, D
Acchanical     Memory     Second seco	Lifespan	Operations		20000
Standard front dimensionmm45inclosure heightmm80Aounting width per polemm1.5AountingMmMick attachment with 3 latch positions for top-hat rail IEC/EN 60715Degree of ProtectionMm1.92Terminals top and bottomMmTwin-purpose terminalsTerminal capacitiesmm1.25Tightening torqueMm2.44Tightening torquemm8.68 (sept N0.5 SU)	Direction of incoming supply			as required
inclosure height mm 80 Acunting width per pole mf 51 Acunting Acunting Acuting Acunting Acunting Acuting Acunting Acunting Acuting A	Mechanical			
Auunting width per pole   mm   1.5     Aounting   Color Autonom with 3 latch positions for top-hat rail IEC/EN 60715     Degree of Protection   Imm   Imm     Degree of Protection   Imm   Imm     Terminals top and bottom   Imm   Imm     Terminal protection   Imm   Imm     Terminal capacities   Imm   Imm     Tightening torque   Imm   1.25     Tightening torque   Imm   Imm	Standard front dimension		mm	45
Mounting   Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715     Degree of Protection   IP20     reminals top and bottom   Image: Protection     reminal protection   Image: Protection     reminal capacities   Image: Protection     ightening torque   Image: Protection     inkness of busbar material   Image: Protection	Enclosure height		mm	80
Degree of Protection   IP20     Terminals top and bottom   Twin-purpose terminals     Terminal protection   Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6     Tightening torque   Nm   2-2.4     Tightening torque   mm   86 (sept N 0.5 SU)	Mounting width per pole		mm	17.5
Image: Section of the section of t	Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
reminal protection Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6   reminal capacities mm² 1-25   ightening torque Nm 2-2.4   rhckness of busbar material mm² 0.8 (exept N 0.5 SU)	Degree of Protection			IP20
Terminal capacities Imm <sup>2</sup> 1 - 25   Tightening torque Nm 2 - 2.4   Thickness of busbar material Mm 0.8 (exept N 0.5 SU)	Terminals top and bottom			Twin-purpose terminals
Inckness of busbar material Nm 2 - 2.4   Inckness of busbar material mm 0.8 (exept N 0.5 SU)	Terminal protection			Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
Thickness of busbar material mm 0.8 (exept N 0.5 SU)	Terminal capacities		mm <sup>2</sup>	1 - 25
	Tightening torque		Nm	2 - 2.4
As required	Thickness of busbar material		mm	0.8 (exept N 0.5 SU)
	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	3
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	2.4
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
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.

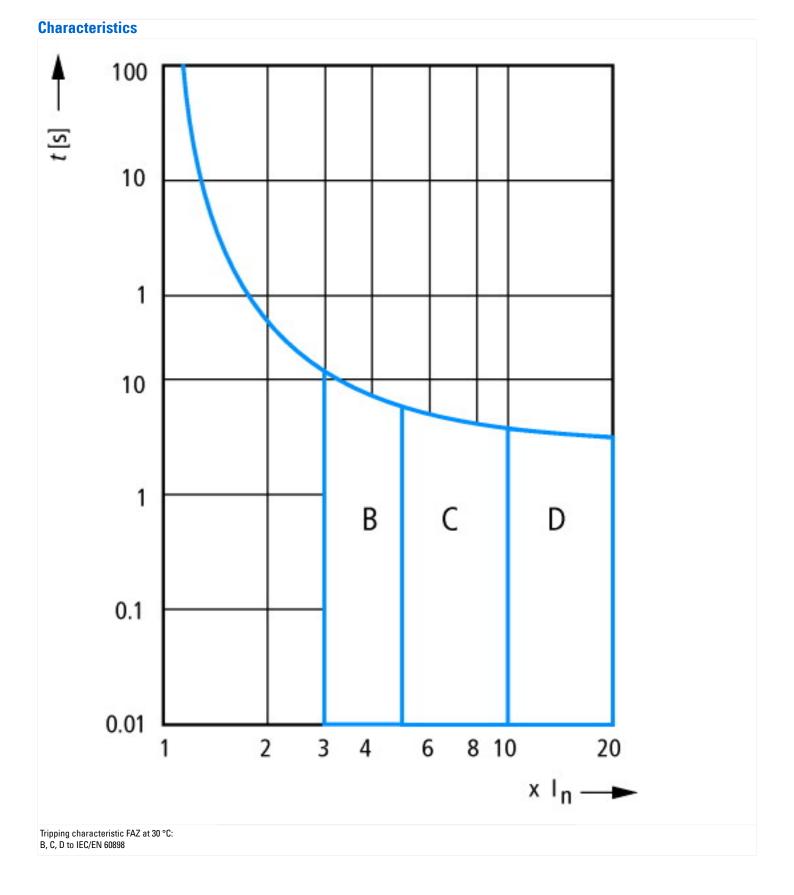
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Meets the product standard's requirements.
10.2.4 Resistance to 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

		5
Number of poles (total)		2
Number of protected poles		2
Nominal rated current	А	3
Nominal rated voltage	V	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	25
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	25
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		2
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP)		IP20



## Dimensions

