

Part no.FAZT-C40/3Article no.142496Catalog No.FAZT-C40/3



Similar to illustration

Basic function Miniature circuit breakers   Number of poles 3 pole   Tripping characteristic C   Application Miniature circuit breakers   Rated current In A	Delivery program			
Tripping characteristic C   Application Switchgear for industrial and advanced commercial applications	Basic function			Miniature circuit breakers
Application   Switchgear for industrial and advanced commercial applications     Beted surrent   40	Number of poles			3 pole
	Tripping characteristic			C
Rated current In A 40	Application			Switchgear for industrial and advanced commercial applications
	Rated current	I <sub>n</sub>	А	40
Rated switching capacity acc. to IEC/EN 60947-2 kA 20	Rated switching capacity acc. to IEC/EN 60947-2		kA	20
Product range FAZ-T	Product range			FAZ-T

## Technical data

Standard front dimensionmm45Enclosure heightmm80Mounting width per polemm1.5MountingMmMick attachment with 3 latch positions for top-hat rail IEC/EN 60715Degree of ProtectionMmI20Terminals top and bottomMmI20Terminal capacitiesMmI20Tentinati componentMm2I20Terminal capacitiesMm2I20TentinationMm2I20<	Electrical			
Lifespan Operations 2000   Direction of incoming supply as required   Mechanical as required   Mechanical mm 45   Standard front dimension mm 40   Mounting width per pole mm 1.5   Mounting Mm 1.6   Pereor of Protection Mm 1.6   Terminal stop and bottom Mm 1.6   Terminal capacities mm 1.6   Terminal capacities mm <sup>2</sup> 1.5   Terminal capacities mm <sup>2</sup> 1.6   Terminal capacities mm <sup>2</sup> 1.6   Terminal capacities mm <sup>2</sup> 1.2   Terminal capacities mm <sup>2</sup> 1.2	Rated switching capacity		kA	20
Direction of incoming supply   is required     Mechanical   is required     Standard front dimension   mm   45     Enclosure height   mm   80     Mounting width per pole   mm   15     Mounting   Is and arch munt it statch positions for top-hat rail IEC/EN 60715     Pergee of Protection   is is in purpose terminals     Terminal stop and bottom   is in purpose terminals     Terminal capacities   mm <sup>2</sup> 125     Tightening torque   is in purpose terminals   2.2.4	Characteristic			B, C, D
Mechanical   Mechanical     Standard front dimension   mm   45     Enclosure height   mm   80     Mounting width per pole   mm   1,5     Mounting   Gale   Mage     Pergee of Protection   Mechanical   120     Terminal stop and bottom   Mechanical   120     Terminal capacities   mm <sup>2</sup> 125     Tightening torque   Mm   125	Lifespan	Operations		20000
Standard front dimensionmm45Enclosure heightmm80Mounting width per polemm1.5MountingMmMick attachment with 3 latch positions for top-hat rail IEC/EN 60715Degree of ProtectionMmI20Terminals top and bottomMmI20Terminal capacitiesMmI20Tentinati componentMm2I20Terminal capacitiesMm2I20TentinationMm2I20<	Direction of incoming supply			as required
Enclosure heightmm80Mounting width per polemm1.5MountingMmJuck attachment with 3 latch positions for top-hat rail IEC/EN 60715Degree of ProtectionMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal stop and bottomMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesmm <sup>2</sup> Implement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesmm <sup>2</sup> Implement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesmm <sup>2</sup> Implement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesmm <sup>2</sup> Implement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715Terminal capacitiesMmImplement with 3 latch positions for top-hat rail IEC/EN 60715<	Mechanical			
Mounting width per pole mm 1.5   Mounting Minipurpose terminals Minipurpose ter	Standard front dimension		mm	45
NountingOuck attachment with 3 latch positions for top-hat rail IEC/EN 60715Degree of ProtectionP20Terminal stop and bottomToin-purpose terminalsTerminal capacitiesmm²Tightening torqueNm2 - 2.4	Enclosure height		mm	80
Degree of Protection Image: Constraint of the sector of	Mounting width per pole		mm	17.5
Terminals top and bottom Terminal protection Terminal capacities Terminal capacities Terminal capacities Terminal capacities Terminal capacities Terminal capacities Nm 2 - 2.4	Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
Terminal protection mm <sup>2</sup> ringer- and back-of-hand proof according to BGV A3 and ÖVE-EN 6   Terminal capacities mm <sup>2</sup> 1-25   Tightening torque Nm 2-2.4	Degree of Protection			IP20
Terminal capacities mm <sup>2</sup> 1 - 25   Tightening torque Nm 2 - 2.4	Terminals top and bottom			Twin-purpose terminals
Tightening torque Nm 2 - 2.4	Terminal protection			Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
	Terminal capacities		mm <sup>2</sup>	1 - 25
	Tightening torque		Nm	2 - 2.4
Thickness of busbar material mm 0.8 (exept N 0.5 SU)	Thickness of busbar material		mm	0.8 (exept N 0.5 SU)
Mounting position As required	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	40
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	11.2
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.

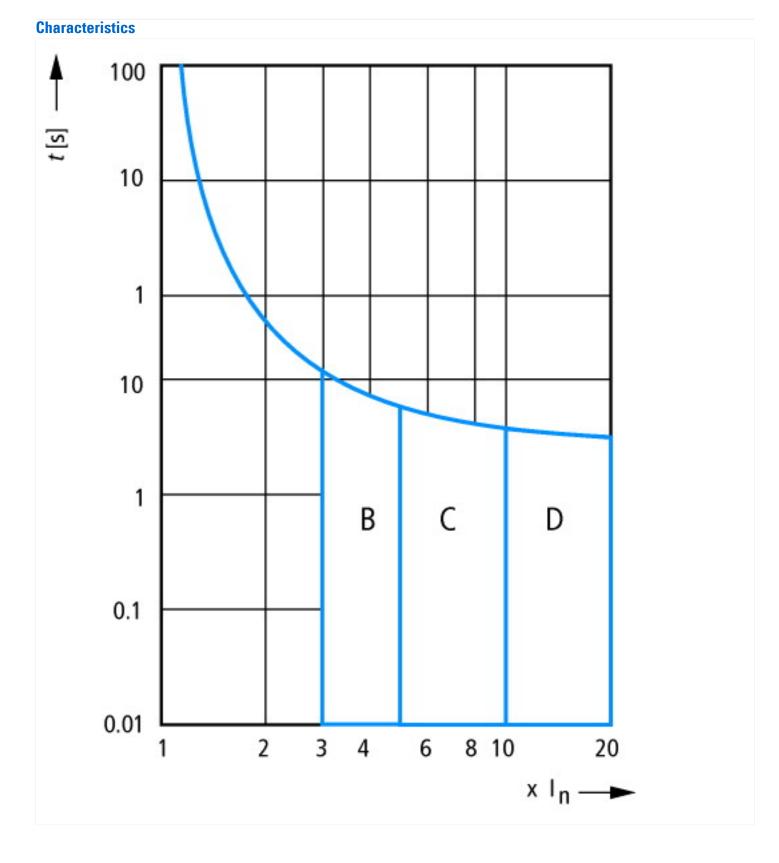
10.2.6 Mechanical impact	Deep not apply gines the aptice quitabaser peeds to be evaluated
TO.2.0 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Does not apply, 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	A	4	40
Nominal rated voltage	V	/	230
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k/	A	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k/	A	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k/	A	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	A	15
Voltage type			AC
Current limiting class			3
Frequency	Н	lz	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

