## DATASHEET - FAZT-C15/1

Miniature circuit breaker (MCB), 15A, 1p, C-Char, AC



Part no.FAZT-C15/1Catalog No.240806Eaton Catalog No.FAZT-C15/1



Similar to illustration

### **Delivery program**

		Miniature circuit-breakers
		1 pole
		C
		Switchgear for industrial and advanced commercial applications
In	А	15
l <sub>cu</sub>	kA	25
		FAZ-T
		LΔ

#### Technical data Electrical

Electrical			
Standards			IEC/EN 60947-2
Rated voltage according to IEC/EN 60947-2	Un	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	l <sub>cu</sub>	kA	25
Rated service short-circuit breaking capacity according to IEC/EN 60947-2	I <sub>cs</sub>		12,5 kA
Max operational voltage according to IEC/EN 60947-2		V AC	254
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	I <sub>cu</sub>	kA	15
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)	I <sub>cs</sub>		7,5 KA
Max operational voltage DC according to IEC/EN 60947-2		V DC	60/pole
Rated voltage according to IEC/EN 60898-1	Un	V AC	240
Rated switching capacity according to IEC/EN 60898-1	I <sub>cn</sub>	kA	15
Rated service short-circuit breaking capacity according to IEC/EN 60898-1	I <sub>cs</sub>		7,5 kA
Rated insulation voltage	Ui	V	440
Rated frequency	f	Hz	50/60
Characteristic			B, C, D
Direction of incoming supply			as required
lifespan			
Electrical	Operations		≧ 4000
Mechanical	Operations		≧ 10000
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
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
Terminal capacities		mm <sup>2</sup>	1 - 25
Tightening torque of fixing screws		N/m	max. 2.4
Thickness of busbar material		mm	0.8 (exept N 0.5 SU)
Mounting position			As required

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.	echnical data for design verification			
Function     Pail     Weil     Pail     Weil     Pail	Rated operational current for specified heat dissipation	In	А	15
Pair Matrix	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Heat dissipation capacity     Parse     W     Instrume many statements       Operating ambient temperature min.     "C     -40       Operating ambient temperature max.     "C     75       ID22 Strength of materials and parts     "C     Meets the product standard's requirements.       ID22 Corresion resistance     Instantial stability of enclosures     Meets the product standard's requirements.       ID2.23 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       ID2.24 Resistance to ultwa-indie (UV) radiation     Meets the product standard's requirements.       ID2.24 Resistance to ultwa-indie (UV) radiation     Meets the product standard's requirements.       ID2.24 Resistance to ultwa-indie (UV) radiation     Meets the product standard's requirements.       ID2.24 Resistance to ultwa-indie (UV) radiation     Meets the product standard's requirements.       ID2.25 Informations     Meets the product standard's requirements.       ID2.25 Mechanical impact     Meets the product standard's requirements.       ID2.25 Information against electric abook     Meets the product standard's requirements.       ID2.25 Mechanical impact     Meets the product standard's requirements.       ID2.5 Mechanical impact     M	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	2.1
Operating ambient temporature min.     Comporating ambient temporature max.     Means the product standard's requirements.       102.23 Uverification of resistance of insulating materials to normal heat     Comporating ambient temporature max.     Means the product standard's requirements.     Comporating ambient temporature max.     Comporating a	Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Operating ambient temperature max.     7       CPN 61439 design verification     inear, per +1 °C, results in a 0.5% reduction of current carrying capacity       10.2 Strength of materials and parts     extest the product standard's requirements.       10.2.2 Corrosion resistance     Meets the product standard's requirements.       10.2.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.4 Resistance to ultra-violet (UV) radiation     Does not apply, since the entire switchgear needs to be evaluated.       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.       10.3.2 Degree of protection of ASSEMBLIES     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Does not apply, since the entire switchgear needs to be evaluated.       10.8 Denotection of switching devices and components     Does not apply, since the entire switchgear needs to be evaluated.       10.8 Interporties     Does not apply, since	Heat dissipation capacity	P <sub>diss</sub>	W	0
Inear, per -1 °C, results in a 0.5% reduction of current carrying capacity       10.2 Strength of materials and parts       10.2 Strength of materials and parts       10.2.2 Corrosion resistance       10.2.2 Lorrosion resistance       10.2.3 Verification of thermal stability of enclosures       10.2.3 Lorrosion or insulating materials to normal heat       and fire due to instrantel electric effects       10.2.3 Lorrosion resistance of insulating materials to abnormal heat       and fire due to instrantel electric effects       10.2.4 Resistance to ultra-widet (UV) radiation       10.2.5 Lifting       10.2.6 Mechanical impact       10.2.6 Mechanical impact       10.2.6 Mechanical impact       10.2.7 Inscriptions       10.8 Connections for external conductors       10.8 Connections for exte	Operating ambient temperature min.		°C	-40
CVEN 61439 design verification   Model of materials and parts     10.22 Strength of materials and parts   Meets the product standard's requirements.     10.2.3 Verification of thermal stability of enclosures   Meets the product standard's requirements.     10.2.3 Verification of resistance of insulating materials to normal heat and fire due to intermal electric effects   Meets the product standard's requirements.     10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to intermal 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   Meets the product standard's requirements.     10.2.6 Mechanical impact   Meets the product standard's requirements.     10.3 Degree of protection of ASSEMBLIES   Meets the product standard's requirements.     10.4 Clearances and creepage distances   Meets the product standard's requirements.     10.4 Clearances and creepage distances   Meets the product standard's requirements.     10.5 Protection against electric shock   Meets the product standard's requirements.     10.6 Incorporation of switching devices and components   Is the panel builder's responsibility.     10.8 Incorporation for external conduct	Operating ambient temperature max.		°C	75
10.2 Strength of materials and parts   Meets the product standard's requirements.     10.2.3 Verification of thermal stability of enclosures   Meets the product standard's requirements.     10.2.3 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     10.2.3 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     10.2.3 Verification of resistance of insulating materials to abnormal heat   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.     10.2.6 Mechanical impact   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.     10.4 Clearances and creepage distances   Does not apply, since the entire switchgear needs to be evaluated.     10.4 Clearances and creepage distances   Does not apply, since the entire switchgear needs to be evaluated.     10.4 Internal electrical circuits and connections   Is the panel builder's responsibility.     10.8 Incorporation of switching devices and components   Is the panel builder's re				linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
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 abnormal heat and fire due to internal electric effects   Meets the product standard's requirements.     10.2.3.2 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-violat (UV) radiation   Meets the product standard's requirements.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   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.     10.8 Incorporation for external conductors   Incorporation of external conductors<	C/EN 61439 design verification			
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 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.     10.2.4 Resistance to ultra-violet (UV) radiation   Does not apply, since the entire switchgear needs to be evaluated.     10.2.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     10.2.7 Inscriptions   Meets the product standard's requirements.     10.3.6 Begree 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   Is the panel builder's responsibility.     10.8 Connections for axternal conductors   Is the panel builder's responsibility.     10.9 Insulation properties   Is the panel builder's responsibility.     10.9.1 Meets the dissipation data for the devices.   Is the panel builder's responsibility.     10.9.2 Meets the and builder's responsibility.   Is the panel builder's responsibility.     10.	10.2 Strength of materials and parts			
102.3.2 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.3.3 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.4 Resistance to ultra-violet (UV) radiation   Meets the product standard's requirements.     102.5 Lifting   Does not apply, since the entire switchgear needs to be evaluated.     102.6 Mechanical impact   Does not apply, since the entire switchgear needs to be evaluated.     102.7 Inscriptions   Does not apply, since the entire switchgear needs to be evaluated.     103.2 Begree of protection of ASSEMBLIES   Does not apply, since the entire switchgear needs to be evaluated.     104.4 Clearances and creepage distances   Meets the product standard's requirements.     105.8 Protection against electric shock   Does not apply, since the entire switchgear needs to be evaluated.     105.9 Instruction adjuits electric strength   Is the panel builder's responsibility.     108.2 Romeer-inse gue distand voltage   Is the panel builder's responsibility.     109.3 Impulse withstand voltage   Is the panel builder's responsibility.     109.4 Testing of enclosures made of insulating material   Is the panel builder's responsibility.     109.1 Short-circuit rating   Is the panel builder's responsibility.     10.1 Short-circuit rating   Is the pane	10.2.2 Corrosion resistance			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.     10.2.5 Lots Mechanical inpact   Meets the product standard's requirements.     10.3.0 Bogree of protection of ASSEMBLIES   Meets the product standard's requirements.     10.3.0 Logree of protection of ASSEMBLIES   Does not apply, since the entire switchgear needs to be evaluated.     10.4.7 Internal electric shock   Does not apply, since the entire switchgear needs to be evaluated.     10.5 Protection against electric shock   Does not apply, since the entire switchgear needs to be evaluated.     10.5 Incorporation of switching devices and components   Does not apply, since the entire switchgear needs to be evaluated.     10.8 Connections for external conductors   Est the panel builder's responsibility.     10.9.1 Subation properties   Is the panel builder's responsibility.     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.     10.9.1 Short-circuit rating   Is the panel builder's responsibility.     10.1 Short-circuit rating	10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
and fre due to internal electric effectsMeets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationDees not apply, since the entire switchgear needs to be evaluated.10.2.5 LiftingDees not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDees not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3.0 Egree of protection of ASSEMBLIESDees not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDees not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDees not apply, since the entire switchgear needs to be evaluated.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.1 Nuslation propertiesIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility.10.12 Electromagnetic compatibility.Is the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.	10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.3.0 Egree of protection of ASSEMBLIESDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9 Insulation propertiesIs the panel builder's responsibility.10.9.1 North-circuit ratingIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.				Meets the product standard's requirements.
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   Is the panel builder's responsibility.     10.9.1 Newer-frequency electric strength   Is the panel builder's responsibility.     10.9.2 Power-frequency electric strength   Is the panel builder's responsibility.     10.9.1 Netherature rise   Is the panel builder's responsibility.     10.10 Temperature rise   Is the panel builder's responsibility.     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 s	10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
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   Is the panel builder's responsibility.     10.9.1 Neulation properties   Is the panel builder's responsibility.     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.     10.10 Temperature rise   Is the panel builder's responsibility.     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 t	10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.3 Degree of protection of ASSEMBLIES   Dees 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.     10.9.1 Prover-frequency electric strength   Is the panel builder's responsibility.     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.     10.10 Temperature rise   Is the panel builder's responsibility.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.13 Mechanical function   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	10.2.6 Mechanical impact			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   Is the panel builder's responsibility.     10.9.1 Rules withstand voltage   Is the panel builder's responsibility.     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.     10.9.1 Temperature rise   Is the panel builder's responsibility.     10.10 Temperature rise   Is the panel builder's responsibility.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.13 Mechanical function   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.13 Mechanical function   Is the panel builder's responsibility. The specifications in the instruction	10.2.7 Inscriptions			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   Is the panel builder's responsibility.     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.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear muse observed.     10.12 Electromagnetic compatibility.   Is the panel builder's responsibility. The specifications for the switchgear muse observed.     10.13 Mechanical function   The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components   Dees 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   Is the panel builder's responsibility.     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   Is the panel builder's responsibility.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.13 Mechanical function   Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.4 Clearances and creepage distances			Meets the product standard's requirements.
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   Is the panel builder's responsibility.     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   Is the panel builder's responsibility.     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, provide the information in the instruction	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors   Is the panel builder's responsibility.     10.9 Insulation properties   Is the panel builder's responsibility.     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   Is the panel builder's responsibility.     10.11 Short-circuit rating   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	10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.9 Insulation properties   Image: Constraint of the second se	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must observed.10.13 Mechanical functionThe device meets the requirements, provide the information in the instruction	10.8 Connections for external conductors			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's responsibile for the temperature rise calculation. Eaton with 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, provide the information in the instruction	10.9 Insulation properties			
10.9.4 Testing of enclosures made of insulating material   Is the panel builder's responsibility.     10.10 Temperature rise   The panel builder's responsibile for the temperature rise calculation. Eaton with 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, provide the information in the instruction	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.10 Temperature rise   The panel builder is responsible for the temperature rise calculation. Eaton with 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, provide the information in the instruction	10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
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, provide the information in the instruction	10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility observed.   10.13 Mechanical function Image: Compatibility observed.	10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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 leaflet (IL) is observed.

## **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])

Release characteristic		C
Number of poles (total)		1
Number of protected poles		1
Rated current	A	15
Rated voltage	V	240
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
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
Frequency	Hz	50 - 60

Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
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**



