## Miniature circuit breaker (MCB), 20 A, 1p, characteristic: C



Part no. FAZT-C20/1 240808

**EL Number** 1605573

(Norway)

(Norway)	
Product name	Foton Modificación office FAZ TMCD
Product name	Eaton Moeller series xEffect - FAZ-T MCB
Part no.	FAZT-C20/1
EAN	4015082408084
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	17.7 millimetre
Product weight	0.118 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947-2 IEC 61373 EN45545-2
Product Tradename	xEffect - FAZ-T
Product Type	MCB
Product Sub Type	None
Application	Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	С
Release characteristic	С
Amperage Rating	20 A
Туре	FAZ-T Miniature circuit breaker
Voltage type	AC
Voltage rating (IEC/EN 60898-1)	240
Voltage rating (IEC/EN 60947-2)	240 V AC
Rated operational voltage (Ue) - max	240 V
Operational voltage (IEC/EN 60947-2) - max	254
Operational voltage at DC (EC/EN 60947-2) - max	60
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating	50 Hz / 60 Hz
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60947-2) at max voltage rating	15 kA
Rated switching capacity (IEC/EN 60947-2)	25 kA
Rated switching capacity (IEC/EN 60898-1)	15 kA
Rated service short-circuit breaking capacity (IEC/EN 60898-1)	7.5 kA
Rated service short-circuit breaking capacity (IEC/EN 60947-2)	7.5 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	15 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	15 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	20 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	20 kA
Lifespan, electrical	4000 operations
Overvoltage category	III
Pollution degree	2

provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mu observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear mu observed.	Direction of incoming supply	As required
With in number of modular spacings         1           Bill-lin edgeh         75.5 mm           Meanting selfsheer pole         17.5 mm           Meanting selfsheer pole         17.5 mm           Meanting selfsheer pole         17.5 mm           Meanting selfsheer pole         As required           Egyport of protection         17.2 mm           Egyport of protection         17.5 mm²           Commercials doubtom         18.0 mm² / 5 mm²           Commercials conductor cross section lastification all particular particular consists of section lastification all particular particular particular cross section lastification all particular	Frame	45 mm
Self-in-depth Mounting-yolding propol Mounting-yolding propol Mounting-yolding propol Mounting-yolding propol Anneating partition Anneating partition Anneating partition Gegree of protection Gegree	Enclosure width	80 mm
Mouring width per pole Mouring width per pole Mouring width per pole Mouring width per pole Mouring position As required Pagree of protection pagree of prot	Width in number of modular spacings	1
Mounting wideling per pole Per	Built-in depth	70.5 mm
Mounting position As required	Mounting width	17.5 mm
Degree of protection of assembles Degre	Mounting width per pole	17.5 mm
Degree of potaction Terminal capacity Terminal capacity Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - min Connectable conductor cross section (mill-waved) - min Connectabl	Mounting Method	Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
Terminal capacity Terminal capacity Terminal to pand bottom) Terminal to pand bottom) Connectable conductor cross section (solid-core) - max Connectable conductor cross section	Mounting position	As required
Terminals (top and bottom) Connectable conductor cross section (saild-core) - max Connectable conductor cross certain (sa	Degree of protection	IP20
Connectable conductor cross section (salid-core) - max Connectable conductor conductor (salid-co	Terminal capacity	1 mm² - 25 mm²
Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wireal - min Connectable conductor cross section (multi-wireal - min Connectable conductor cross section (multi-wireal - max Connectable conductor cross section (multi-wireal Connectable C	Terminals (top and bottom)	Twin-purpose terminals
Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max  Ferminal protection Finger and hand touch safe, DGUV VSS, EN 50274  Finger and hand touch safe, DGUV VSS, EN 50274  Max. 24 Mm Busbar material thickness  Basbar material thickness Basbar thickness Basbar thickness Basbar thickness Basbar thick	Connectable conductor cross section (solid-core) - min	1 mm²
Connectable conductor cross section (multi-wired) - max  Terminal protection Tightening lorque Max. 24 Nm Max.	Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Terminal protection Tightening torque Bushar material thickness Lifespan, mechanical Lifespan	Connectable conductor cross section (multi-wired) - min	1 mm²
Tightening torque Busbar material thickness Busbar popular	Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
Busbar material thickness 0.8 mm (except N 0.5 SU)  Lifospan, mechanical 10000 operations  Rated operational current for specified heat dissipation (In)  Heat dissipation, current-dependent 0.0 W  Static heat dissipation, current-dependent 0.0 W  Static heat dissipation, current-dependent 0.0 W  Heat dissipation, current-dependent 0.0 W  Anabient operating temperature - min 0.0 W  Anabient operating temperature - max 0.0 W  Anabient operating temperature - max 0.0 W  Anabient operating temperature - max 0.0 W  Meets the product standard's requirements.  10.2.2 Verification of thermal stability of enclosures 0.0 West the product standard's requirements.  10.2.3 Verification of termal stability of enclosures 0.0 West the product standard's requirements.  10.2.3 Verification of termal stability of enclosures 0.0 West the product standard's requirements.  10.2.4 Serial one of insul. mat. to obnormal heat/fire by internal elect. effects 0.0 West the product standard's requirements.  10.2.5 Lifting 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.2.5 Lifting 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.2.7 Inscriptions 0.0 Serial of insul. mat. of the product standard's requirements.  10.3 Degree of protection of assemblies 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.4 Clearances and creepage distances 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.4 Clearances and creepage distances 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.5 Protection against electric shock 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.6 Internal electrical circuits and connections 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.6 Internal electrical circuits and connections 0.0 Does not apply, since the entire switchepar needs to be evaluated.  10.7 Internal electrical circuits and connections 0.0 Does not apply, since the entire switchepar needs	Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Effespan, mechanical  Rated operational current for specified heat dissipation (In)  Rated operational current for specified heat dissipation (In)  Rated operational current for specified heat dissipation (In)  Reat dissipation per pole, current-dependent  OW  Static heat dissipation, current-dependent  OW  Ambient operating temperature - min  Ambient operating temperature - min  12.5 °C  Ambient operating temperature - min  12.2 Corrosion resistance  12.2.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  12.2.3 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  12.2.3 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  12.2.4 Resistance to ultra-violet (UV) radiation  Meets the product standard's requirements.  12.2.5 Mechanical impect  Does not apply, since the entire switchpear needs to be evaluated.  12.2.6 Mechanical impect  Does not apply, since the entire switchpear needs to be evaluated.  12.2.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  12.2.8 Mechanical impect  Does not apply, since the entire switchpear needs to be evaluated.  12.2.7 Inscriptions  Meets the product standard's requirements.  12.3 Degree of protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  12.4 Corrosions of switching devices and components  Does not apply, since the entire switchpear needs to be evaluated.  12.6 Inscriptions  Meets the product standard's requirements.  12.7 Inscriptions  Meets the product standard's requirements.  12.8 Conserved in against electric shock  Does not apply, since the entire switchpear needs to be evaluated.  12.8 Conserved in against electric shock  Does not apply, since the entire switchpear needs to be evaluated.  12.8 Inscriptions  12.9 Turnent electrical circuits and connections  13.8 the panel builder's responsibility.  13.9 Lapender of	Tightening torque	Max. 2.4 Nm
Rated operational current for specified heat dissipation (In)  80 A  80 W  80	Busbar material thickness	0.8 mm (except N 0.5 SU)
Heat dissipation per pole, current-dependent  Equipment heat dissipation, current-dependent  Static heat dissipation, courrent-dependent  OW  Heat dissipation capacity  Ambient operating temperature - min  Abbient operating temperature - min  12.2 Corrosion resistance  12.2.3 Verification of thermal stability of enclosures  12.2.3 Verification of resistance of insulating materials to normal heat  12.2.3 Verification of resistance of insulating materials to normal heat  12.2.3 Verification of resistance of insulating materials to normal heat  12.2.3 Verification of resistance of insulating materials to make the product standard's requirements.  12.2.3 Verification of resistance of insulating materials to normal heat  12.2.3 Verification of session of encount of the standard's requirements.  12.2.3 Verification of session of sull and the strip by internal elect offects  12.2.4 Resistance to ultra-violet (UV) radiation  12.2.5 Lifting  12.2.6 Lifting  12.2.6 Lifting  12.2.6 Lifting  12.2.7 Inscriptions  12.2.7 Inscriptions  12.2.8 Lifting  12.2.8 Lifting  12.2.8 Lifting  12.2.9 Lifting  12.2.9 Lifting  12.2.9 Lifting  12.2.9 Lifting  12.2.9 Lifting  12.2.0 Lifting  1	Lifespan, mechanical	10000 operations
Heat dissipation per pole, current-dependent 3.2 W State heat dissipation, current-dependent 0 W Heat dissipation, concurrent-dependent 0 W Heat dissipation capacity 0 W Ambient operating temperature - min 2.5 °C Ambient operating temperature - max 75 °C  Ambient operating temperature - max 75 °C  10.2.2 Cornsion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.1 Verification of tresistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of session of thermal stability of enclosures 10.2.3.4 Resistance to ultra-violet (UV) radiation 10.2.5.2 Verification of assemblies 10.2.5.1 Verification of session of the main stability of enclosures 10.2.5.1 Verification of session of enclosures 10.2.6 Meets the product standard's requirements. 10.2.6 Meets the product standard's requirements. 10.2.6 Meets the product standard's requirements. 10.2.6 Lifting 10.2.6 Inscriptions 10.2.6 Inscriptions 10.2.6 Inscriptions 10.2.7 Inscriptions 10.2.8 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Inscriptions 10.9 Protection against electric discriptions and connections 10.1 Internal electrical circuits and connections 10.2 Inscription of switching devices and components 10.3 Impulse withstand voltage 10.4 Testing of enclosures made of insulating material 10.5 Temperature rise 10.1 Temperature rise 10.1 Temperature rise 10.1 Temperature rise 10.2 Temperature rise 10.3 Insulate withstand voltage 10.4 Testing of enclosures made of insulating material 10.5 Temperature rise 10.1 Temperature rise 10.1 Temperat		
Equipment heat dissipation, current-dependent Static heat dissipation, non-current-dependent Heat dissipation capacity OW Ambient operating temperature - min Ambient operating temperature - min ORA Ambient operating temperature - max ORA	Rated operational current for specified heat dissipation (In)	20 A
Static heat dissipation, non-current-dependent  Heat dissipation capacity  Ambient operating temperature - min  -25 °C  Ambient operating temperature - max  75 °C  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.24.6 Resistance to ultra-violet (UV) radiation  10.25 Instructions of resistance of insulating materials to normal heat  10.25.1 Weets the product standard's requirements.  10.25.2 Lifting  10.26 Meets the product standard's requirements.  10.27.1 Inscriptions  10.28 Meets the product standard's requirements.  10.29 Does not apply, since the entire switchgear needs to be evaluated.  10.27 Inscriptions  10.28 Meets the product standard's requirements.  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Frotection against electric shock  10.6 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.8 Connections for external conductors  10.9 Is the panel builder's responsibility.  10.9 Power-frequency electric strength  10.9 Is the panel builder's responsibility.  10.1 Temperature rise  10.1 Temperature rise  10.1 Temperature rise  10.2 Is the panel builder's responsibility. The specifications for the switchgear mu observed.	Heat dissipation per pole, current-dependent	0 W
Heat dissipation capacity  Ambient operating temperature - min  -25 °C  Ambient operating temperature - max  75 °C  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  10.2.3. Verification of resistance of insulating materials to normal heat  10.2.3. Verification of resistance of insulating materials to normal heat  10.2.3. Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4. Resistance to ultra-violet (UV) radiation  10.2.5. Lifting  10.2.6. Mechanical impact  10.2.6. Mechanical impact  10.2.7. Inscriptions  10.3. Degree of protection of assemblies  10.3. Degree of protection of assemblies  10.4. Clearances and creepage distances  10.4. Clearances and creepage distances  10.5. Protection against electric shock  10.6. Incorporation of svitching devices and components  10.7. Internal electrical circuits and components  10.7. Internal electrical circuits and components  10.7. Internal electrical circuits and connections  10.8. Is the panel builder's responsibility.  10.9. Power-frequency electric strength  10.9. Foreign of enclosures made of insulating material  10.9. Temperature rise  10.1. Internal electric accounts and of insulating material  10.1. Temperature rise  10.1. Internal electric accounts and components  10.2. In the panel builder's responsibility.  10.3. In publise withstand voltage  10.4. Temperature rise  10.1. Internal electric accounts and of insulating material  10.1. Internal electric accounts and of insulating material  10.1. Internal electric accounts and of insulating material  10.1. Temperature rise  10.1. Step panel builder's responsibility.  10.2. The panel builder's responsibility.  10.3. The panel builder's responsibility.  10.4. The panel builder's responsibility.  10.5. The panel builder's responsibility.  10.5. The panel builder's responsibility.  10.5. The panel builder's responsibility.  1	Equipment heat dissipation, current-dependent	3.2 W
Ambient operating temperature - min  Ambient operating temperature - min  Diaza Corrosion resistance  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is ste panel builder's responsibility.  Meets the product standard's requirements.  Is the panel builder's responsibility.  The panel builder's responsibility.  The panel builder's responsibility.  The panel builder's responsibility.  The specifications for the switchgear mu observed.  Diater panel builder's responsibility.  The specifications for the switchgear mu observed.	Static heat dissipation, non-current-dependent	0 W
Ambient operating temperature - max    75 °C	Heat dissipation capacity	0 W
10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Meets the product standard's requirements. 10.2.5 Meets the product standard's requirements. 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.7 Inscriptions 10.2.9 Does not apply, since the entire switchgear needs to be evaluated. 10.2.1 Note of protection of assemblies 10.3.1 Degree of protection of assemblies 10.4.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 10.8 The panel builder's responsibility. 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.15 Life panel builder's responsibility. 10.16 The panel builder's responsibility. 10.17 Life panel builder's responsibility. 10.18 Life panel builder's responsibility. 10.19 Life panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility. 10.13 Life panel builder's responsibility. The specifications for the switchgear multiple observed.	Ambient operating temperature - min	-25 °C
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10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Impulse withstand voltage 10.1 Short-circuit rating 10.1 Short-circuit rating 10.1 Short-circuit rating 10.1 Electromagnetic compatibility 10.1 Electromagnetic compatibility 10.2 Electromagnetic compatibility 10.2 Electromagnetic compatibility 10.2 Electromagnetic compatibility 10.3 Impulse withstand voltage 10.1 Short-circuit rating 10.2 Electromagnetic compatibility 10.3 Electromagnetic compatibility 10.4 Electromagnetic compatibility 10.5 Electromagnetic compatibility 10.6 Electromagnetic compatibility 10.7 Electromagnetic compatibility 10.8 Electromagnetic compatibility 10.9 Electromagnetic compatibili		
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10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Meets the product standard's requirements. 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.24 Electromagnetic compatibility 10.3 Is the panel builder's responsibility. The specifications for the switchgear multiplear in the panel builder's responsibility. The specifications for the switchgear multiplear observed.	10.2.3.1 Verification of thermal stability of enclosures	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.  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.24 Electromagnetic compatibility  10.35 Impulse withstand compatibility  10.45 Electromagnetic compatibility  10.56 Meets the product standard's requirements.  10.66 Meets the product standard's requirements.  10.75 Meets the product standard's requirements.  10.86 Meets the product standard's requirements.  10.90 not apply, since the entire switchgear needs to be evaluated.  10.12 Electromagnetic compatibility.  10.14 Temperature rise  10.15 Meets the product standard's requirements.  10.16 Product standard's requirements.  10.17 Product standard's requirements.  10.18 Product standard's requirements.  10.19 Product standard's requirements.  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility.  10.14 Product standard's requirements.  10.15 Product standard's requirements.  10.16 Product standard's requirements.  10.17 Product standard's	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Temperature rise  10.9 The panel builder's responsibility.  10.9 The panel builder's responsibility. The specifications for the switchgear multipasserved.	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.6 Mechanical impact  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.  10.9.2 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  10.10 Temperature rise  Is the panel builder's responsibility.  10.10 Temperature rise  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear multipasserved.	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.  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In It panel builder's responsibility.  In the	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.3 Degree of protection of assemblies  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.  10.9.2 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 responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mu observed.  10.12 Electromagnetic compatibility. The specifications for the switchgear mu observed.	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.  10.9.2 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 responsibility. The specifications for the switchgear mu observed.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mu observed.	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.15 Protection against electric shock  10.10 Poes not apply, since the entire switchgear needs to be evaluated.  10.10 Is the panel builder's responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 Protection against electric switchgear needs to be evaluated.  10.10 Temperature switchgear needs to be evaluated.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility.  10.13 Poes not apply, since the entire switchgear needs to be evaluated.  10.14 Is the panel builder's responsibility.  10.15 Is the panel builder's responsibility.  10.16 Is the panel builder's responsibility.  10.17 Internal electrical circuits and connections  10.18 Is the panel builder's responsibility.  10.19 Is the panel builder's responsibility.  10.10 Internal electrical circuits and connections  10.11 Short-circuit rating  10.12 Electromagnetic compatibility.  10.13 Internal electrical circuits and connections  10.14 Internal electrical circuits and connections  10.15 Internal electrical circuits and connections  10.16 Internal electrical circuits and connections  10.17 Internal electrical circuits and connections  10.18 Internal builder's responsibility.  10.19 Internal electrical circuits and connections  10.19 Internal electrical circuits and connections  10.10 Internal electrical circuits and connections  10.11 Internal electrical circuits and connections  10.11 Internal electrical circuits and connections  10.11 Internal electrical circuits and connections  10.12 Internal electrical circuits and connections  10.13 Internal electrical circuits and conn	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  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.15 Internal electrical circuits and connections  11.15 Internal electrical circuits and connections  12.15 Is the panel builder's responsibility.  13.16 Is the panel builder's responsibility.  14.16 Is the panel builder's responsibility.  15.17 Is panel builder is responsibility.  16.18 Is the panel builder is responsibility.  17.19 Is the panel builder is responsibility.  18.10 Is the panel builder is responsibility.  19.10 Is the panel builder is responsibility. The specifications for the switchgear multiple observed.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility.  10.13 Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.14 Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.14 Is the panel builder's responsibility.  15 the panel builder's responsibility.  16 the panel builder's responsibility.  17 The panel builder is responsibility.  18 the panel builder is responsibility.  19 The panel builder is responsibility. The specifications for the switchgear multiple observed.  10.11 Short-circuit rating  10 Step panel builder's responsibility. The specifications for the switchgear multiple observed.	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.18 the panel builder's responsibility.  11.19 The panel builder is responsibility.  12.10 The panel builder is responsibility.  13.11 Short-circuit rating  14.12 Electromagnetic compatibility.  15.15 The panel builder's responsibility. The specifications for the switchgear multiple observed.  16.19 Short-circuit rating  17.12 Electromagnetic compatibility.  18.14 Panel builder's responsibility. The specifications for the switchgear multiple observed.	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.15 Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.7 Internal electrical circuits and connections	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.  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	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 we provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mu observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear mu observed.	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear mu observed.	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
observed.	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must lobserved.
10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must observed.
leaflet (IL) is observed.	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Features	Additional equipment possible
Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with	Miniature circuit breaker FAZ-T

## **Technical data ETIM 8.0**

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])					
Built-in depth		mm	70.5		
Release characteristic			C		
Number of poles (total)			1		
Number of protected poles			1		
Rated current		Α	20		
Rated voltage		V	240		
Rated insulation voltage Ui		V	440		
Rated impulse withstand voltage Uimp		kV	4		
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 $\mbox{\ensuremath{\text{V}}}$		kA	15		
Voltage type			AC		
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 $\mbox{\ensuremath{\text{V}}}$		kA	15		
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$		kA	20		
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$		kA	20		
Frequency		Hz	50 - 60		
Current limiting class			3		
Flush-mounted installation			No		
Concurrently switching neutral conductor			No		
Over voltage category			3		
Pollution degree			2		
Additional equipment possible			Yes		
Width in number of modular spacings			1		
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		
Explosion-proof			No		