Miniature circuit breaker (MCB), 20 A, 2p, characteristic: C, DC



Part no. FAZ-C20/2-NA-DC

120645

**EL Number** 1691710

(Norway)

Product name	(NOTWAY)	
Part Inc.	General specifications	
Product templic@path   105 milmere   105 m		
Product Langht/Capht   156 millimetre		
Product height         75.5 millimetre           Product width         35.4 millimetre           Compliances         84.5 Millimetre           Certifications         16.5 00047-2           U. MSR, CSA CC22 No. 5         16.5 00047-2           U. MSR, CSA CC22 No. 5         16.5 00047-2           Product Traderiame         xEffect FAZ-NA-0.0           Product Type         MCB           Product Type         MCB           Product Type         MCB           Product Sul Type         MCB           Delivery program         8           Application         Switchgaar for expert to North America (Ut-listed)           Number of poles froat)         2           Number of poles (pattected)         2           Product Type         C           Reliance Americanic         C           Reliance Americanic         C           Reliance Americanic         C           Reliance Industries (pattected)         2           Typing Americanical Voltage (Ut-listed)         20           Vallage pole         DC           Vallage pole         DC           Vallage pole         S0V DC           Read of appraisonal Voltage (Ut-listed)         4V           Frequency	EAN	4015081184750
Product width		
Product veight	<u> </u>	75.5 millimetre
Campliances   RoHS conform   EC 8897-2		
Certifications   Cert	•	
Product Tradename		
Product Type         MCB           Product Sub Type         Nane           Delivery program         Number of Delivery program           Application         Switchgear for export to North America (UL-listed)           Number of poles         Two-pole           Number of poles Iptracticifol         2           Richarcteristic         C           Release characteristic         C           Amperage Rating         20 A           Type         FEA.D.C.           Meniature circuit breaker         DC           Voltage rating at DC         500 V DC           Rated adoparational voltage (Ua) - max         250 V           Rated displation voltage (Ua) - max         250 V           Rated displation voltage (Um)         4 V           Froquency rating - min         50 Hz           Froquency rating - min         50 Hz           Froquency rating - max         60 Hz           Rated short-circuit breaking capacity (EC/EN 80947-2)         10 Hz           Rated short-circuit breaking capacity (EC/EN 80947-2) at 200 V         0 kA           Rated short-circuit breaking capacity (EC/EN 80947-2) at 200 V         0 kA           Rated short-circuit breaking capacity (EC/EN 80947-2) at 200 V         0 kA           Rated short-circuit breaking capacity (EC/EN	Certifications	UL 489, CSA C22.2 No. 5 EN45545-2
Product Sub Type         None           Delivery program         Switchgear for export to North America (UI-listed)           Application         Switchgear for export to North America (UI-listed)           Number of poles (total)         2           Number of poles (protected)         2           Tripping characteristic         C           Relosase characteristic         C           Amperage Rating         20 A           Type         FAZ DC Ministure circuit breaker           Technical Data - Electrical         DC           Voltage type         DC           Voltage priang at DC         DC           Rated operational voltage (Ue) - max         250 V           Rated insulation voltage (Ue) - max         440 V           Rated insulation voltage (Ui) - max         440 V           Rated simples withstand voltage (Uimp)         44V           Frequency rating - min         50 Hz           Frequency rating - min         60 Hz           Rated switching capacity (IECFIN 69894-72)         10 kA           Rated switching capacity (IECFIN 69894-72)         10 kA           Rated short-circuit breaking capacity (IEC 6094-72) at 400 V         10 kA           Rated short-circuit breaking capacity (IEC 6094-72) at 400 V         10 kA           Volta	Product Tradename	xEffect - FAZ-NA-DC
Delivery program  Application  Application  Application  Application  Number of poles  Number of poles (protected)  2 Tripping characteristic  C Release characteristic  Amparage Rating  Type  Technical Data - Electrical  Voltage type  Voltage rating at DC  Stated operational voltage (Uu) - max  Rated operational voltage (Uu) - max  Rated insulation voltage (Uu)  Rated insulation voltage (Uu)  Rated working - min  Frequency rating - min  Frequency rating - min  Frequency rating - min  Rated short-circuit breaking capacity (EK 60894 7-2) at 400 V  Rated short-circuit breaking capacity (EK 608	Product Type	MCB
Application         Switchgear for export to North America (UL-listed)           Number of poles (total)         Two-pole           Number of poles (total)         2           Read of peratorical         C           Amporage Reting         2         D           Type         FAZ-DC         Ministrue circuit breaker           Fronce         500 V DC         D           Retact operational voltage (Ul) - max         500 V DC         AV           Retact dispulse withstand voltage (Ulimp)         440 V         AV           Retact simulation voltage (Ulimp)         400 k         AV           Froquency rating - max         50 Hz         AV           Retact short-circuit breaking capacity (EC 80847-2) at 230 V         0 kA         AV           Retact short-circuit breaking capacity (EC 80847-2) at 230 V         0 kA         AV           Retact short-ci	Product Sub Type	None
Number of poles         Two-pole           Number of poles (total)         2           Number of poles (protected)         2           Tripping characteristic         C           Release characteristic         C           Amperage Rating         20 A           Type         Ministure circuit breaker           Policy (Marcharacteristic)         DC           Voltage type         DC           Voltage rype         DC           Voltage rating at DC         500 V DC           Rated operational voltage (Uo) -max         250 V           Rated singular withstand voltage (Uimpl)         4kV           Frequency rating - min         50 Hz           Frequency rating - min         50 Hz           Frequency rating - max         60 Hz           Rated short-circuit breaking capacity (EV (M898) at 230 V         0 kA           Rated short-circuit breaking capacity (EV (M898) at 240 V         0 kA           Rated short-circuit breaking capacity (EV (M898) at 400 V         10 kA           Rated short-circuit breaking capacity (EV (M898) at 400 V         10 kA           Rated short-circuit breaking capacity (EV (M898) at 400 V         10 kA           Rated short-circuit breaking capacity (EV (M898) at 400 V         10 kA           Rated short-circuit break	Delivery program	
Number of poles (total)  Number of poles (pratected)  2 7ripping characteristic  Release characteristic  Amperage Reting  7yp  RAZ-DC  Ministure circuit breaker  Fechnical Data - Electrical  Voltage type  Voltage type  Voltage reting at DC  Rated operational voltage (Ue) - max  Rated insulation voltage (Uimp)  Frequency rating - min  Frequency rating - min  Frequency rating - min  Frequency rating - min  Fated short-circuit breaking capacity (EN 60889) at 230 V  Rated short-circuit breaking capacity (EN 60889) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 230 V  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Overveltage category  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Rated short-circuit breaking capacity (EC 6094	Application	Switchgear for export to North America (UL-listed)
Number of poles (protected)         2           Tripping characteristic         C           Release characteristic         20 A           Type         FAZ-DC           Type         FAZ-DC           Ministure circuit breaker         FAZ-DC           Woltage type         DC           Voltage type         DC           Voltage type         DC           Voltage (Ue) - max         250 V           Rated insulation voltage (Ui) - max         250 V           Rated insulation voltage (Uimp)         4 kV           Frequency rating - min         50 Hz           Frequency rating - max         60 Hz           Rated short-circuit breaking capacity (EC/EN 60947-2)         10 kA           Rated short-circuit breaking capacity (EC/EN 60989) at 400 V         0 kA           Rated short-circuit breaking capacity (EC/EN 60989) at 400 V         0 kA           Rated short-circuit breaking capacity (EC/EN 60987-2) at 400 V         0 kA           Rated short-circuit breaking capacity (EC/EN 60987-2) at 400 V         0 kA           Rated short-circuit breaking capacity (EC/EN 60987-2) at 400 V         0 kA           Rated short-circuit breaking capacity (EC/EN 60987-2) at 400 V         0 kA           Rotated short-circuit breaking capacity (EC/EN 60987-2) at 600 P         10 kA	Number of poles	Two-pole
Tripping characteristic Release characteristic Amperage Rating Type RAZ-DC Miniature circuit breaker  Technical Data - Electrical  Voltage type DC Voltage rating at DC Rated operational voltage (Ue) - max Rated insulation voltage (Ue) - max Rated insulation voltage (Uimp) 440 V Rated sinutes withstand voltage (Uimp) 440 V Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60947-2) Rated short- circuit breaking capacity (IEC 609847-2) at 400 V Rated short- circuit breaking capacity (IEC 609847-2) at 40	Number of poles (total)	2
Release characteristic Amperage Rating Type RAZ-DC Ministruc circuit breaker  Fechnical Data - Electrical  Voltage type DC Voltage type DC Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated operational voltage (Uimp) Frequency rating - min Frequency rating - min Frequency rating - min Rated switching capacity (EC/EN 60947-2) Rated short-circuit breaking capacity (EC 609847-2) at 230 V Rated short-circuit breaking capacity (EC 609847-2) at 230 V Rated short-circuit breaking capacity (EC 609847-2) at 240 V Overvoltage category Pollution degree  Ferchical Data - Mechanical  With in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - mia	Number of poles (protected)	2
Amperage Rating  Topy  Technical Data - Electrical  Voltage Type  Voltage rating at DC  Rated operational voltage (Ue) - max  Rated operational voltage (Uii)  Rated impulse withstand voltage (Uiiip)  At Voltage rying - min  Frequency rating - max  Rated short-circuit breaking capacity (EC 60947-2)  Rated short-circuit breaking capacity (EC 60947-2) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Reated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Polluton degree  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Technical Data - Mechanical (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  Timm <sup>2</sup>	Tripping characteristic	С
Technical Data - Electrical  Voltage type Voltage type Voltage raing at DC Soo V DC Rated operational voltage (Ue) - max Rated insulation voltage (Uii) Rated insulation voltage (Uiiip) Rated impulse withstand voltage (Uiimp) Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (EC V60847-2) Rated short-circuit breaking capacity (EC V60847-2) Rated short-circuit breaking capacity (EC V60847-2) at 200 V Rated short-circuit breaking capacity (EC C60847-2) at 400 V Rated short-circuit breaking capacity (EC C60847-2) at 400 V Rated short-circuit breaking capacity (EC C60847-2) at 400 V Rated short-circuit breaking capacity (EC C60847-2) at 400 V Rovervoltage category Rollution degree  Technical Data - Mechanical  Width in number of modular spacings Built-in depth Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min  1 mm² Connectable conductor cross section (multi-wired) - min	Release characteristic	С
Miniature circuit breaker	Amperage Rating	20 A
Voltage rating at DC Rated operational voltage (Ue) - max Rated insulation voltage (Uii) Rated insulation voltage (Uiinp) Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60947-2) Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category III Pollution degree  Fechnical Data - Mechanical  Width in number of modular spacings  Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min  Limm² Connectable conductor cross section (multi-wired) - min Limm² Connectable conductor cross section (multi-wired) - min	Туре	
Voltage rating at DC         500 V DC           Rated operational voltage (Ue) - max         250 V           Rated insulation voltage (Uir)         440 V           Rated impulse withstand voltage (Uimp)         4 kV           Frequency rating - min         50 Hz           Frequency rating - max         60 Hz           Rated switching capacity (IEC/EN 60947-2)         10 kA           Rated short-circuit breaking capacity (IEC 60987-2) at 230 V         0 kA           Rated short-circuit breaking capacity (IEC 60947-2) at 200 V         10 kA           Rated short-circuit breaking capacity (IEC 60947-2) at 400 V         10 kA           Overvoltage category         III           Pollution degree         2           Technical Data - Mechanical         2           Width in number of modular spacings         2           Built-in depth         70.5 mm           Degree of protection         IP20           Connectable conductor cross section (solid-core) - min         1 mm²           Connectable conductor cross section (solid-core) - max         25 mm²           Connectable conductor cross section (multi-wired) - min         1 mm²	Technical Data - Electrical	
Rated operational voltage (Ue) - max         250 V           Rated insulation voltage (Ui)         440 V           Rated impulse withstand voltage (Uimp)         4 kV           Frequency rating - min         50 Hz           Rated switching capacity (IEC/EN 60947-2)         10 kA           Rated short-circuit breaking capacity (EN 60989) at 230 V         0 kA           Rated short-circuit breaking capacity (IEC 60947-2) at 230 V         0 kA           Rated short-circuit breaking capacity (IEC 60947-2) at 200 V         10 kA           Rated short-circuit breaking capacity (IEC 60947-2) at 400 V         10 kA           Overvoltage category         III           Pollution degree         2           Vidth in number of modular spacings         2           Built-in depth         70.5 mm           Degree of protection         IP20           Connectable conductor cross section (solid-core) - min         1 mm²           Connectable conductor cross section (solid-core) - max         25 mm²           Connectable conductor cross section (multi-wired) - min         1 mm²	Voltage type	DC
Rated insulation voltage (Ui)  Rated impulse withstand voltage (Uimp)  Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60947-2)  Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings  2  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  1 mm²  Connectable conductor cross section (multi-wired) - min	Voltage rating at DC	500 V DC
Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Frequency rating - max Fated switching capacity (IEC/EN 60947-2) Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 200 V  Overvoltage category III  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings 2 Built-in depth Degree of protection IP20  Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min  I mm² Connectable conductor cross section (multi-wired) - min  I mm²	Rated operational voltage (Ue) - max	250 V
Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60947-2)  Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 200 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Follution degree  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  50 Hz  10 kA  10 kA  10 kA  2  2  10 kA  10	Rated insulation voltage (Ui)	440 V
Frequency rating - max  Rated switching capacity (IEC/EN 60947-2)  Rated short-circuit breaking capacity (EN 60989) at 230 V  Rated short-circuit breaking capacity (EN 60989) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  III  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  1 mm²  Connectable conductor cross section (multi-wired) - min  1 mm²	Rated impulse withstand voltage (Uimp)	4 kV
Rated switching capacity (IEC/EN 60947-2) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category III  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth Degree of protection  Degree of protection Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  1 mm²  Connectable conductor cross section (multi-wired) - min  1 mm²	Frequency rating - min	50 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Rovervoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  Degree of conductor cross section (multi-wired) - min  Degree of conductor cross section (multi-wired) - min  Middle A  OkA  OkA  OkA  OkA  10 kA  1	Frequency rating - max	60 Hz
Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Technical Data - Mechanical  1 mm²  25 mm²  1 mm²	Rated switching capacity (IEC/EN 60947-2)	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  III  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  1 mm²  1 mm²  1 mm²	Rated short-circuit breaking capacity (EN 60898) at 230 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  III  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  2  Built-in depth  Degree of protection  IP20  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Technical Data - Mechanical  10 kA  10 kA  10 kA  11 mm  2  2  4  5  6  70.5 mm  1 mm <sup>2</sup>	Rated short-circuit breaking capacity (EN 60898) at 400 V	0 kA
Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  P20  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  1 mm²  Connectable conductor cross section (multi-wired) - min  1 mm²	Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	10 kA
Pollution degree 2  Technical Data - Mechanical  Width in number of modular spacings 2  Built-in depth 70.5 mm  Degree of protection IP20  Connectable conductor cross section (solid-core) - min 1 mm²  Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²	Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	10 kA
Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  1 mm²  1 mm²  1 mm²	Overvoltage category	III
Width in number of modular spacings 2  Built-in depth 70.5 mm  Degree of protection IP20  Connectable conductor cross section (solid-core) - min 1 mm²  Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²	Pollution degree	2
Built-in depth  Degree of protection  IP20  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  1 mm²  1 mm²	Technical Data - Mechanical	
Degree of protection IP20  Connectable conductor cross section (solid-core) - min 1 mm²  Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²	Width in number of modular spacings	2
Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  25 mm²  Connectable conductor cross section (multi-wired) - min  1 mm²	Built-in depth	70.5 mm
Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²	Degree of protection	IP20
Connectable conductor cross section (multi-wired) - min 1 mm <sup>2</sup>	Connectable conductor cross section (solid-core) - min	1 mm <sup>2</sup>
	Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Connectable conductor exceeded (multi-urived) may	Connectable conductor cross section (multi-wired) - min	1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max 25 mm <sup>-</sup>	Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>

Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	20 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	5.8 W
Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 b observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Current limiting class	3
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	FAZ-DC Miniature circuit breaker

## **Technical data ETIM 9.0**

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@ss13-27-14-19-01 [AAB905019])

E a Lesson (a)		
Built-in depth	mm	70.5
Release characteristic		C
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	20
Rated voltage	V	250
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 V	kA	0
Voltage type		DC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	10

Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	A 10
Frequency	Hz	łz 50 - 60
Power loss	W	V 5.8
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		2
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	C -25 - 75
Connectable conductor cross section multi-wired	mn	nm² 1 - 25
Connectable conductor cross section solid-core	mn	nm² 1 - 25
Explosion-proof		No