## DATASHEET - FAZ-Z40/1

## Miniature circuit breaker (MCB), 40 A, 1p, characteristic: Z



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ConcertaineConcertaineProduct tameProduct tameProduct tameProduct tameProduct tampblageProduct tambbageProduct tambbageProduct tambbageProduct tagesProduct tages		EL Number		
Pretra de la construit de la	<b>General specifications</b>	-		
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Product langth/Daph Product wight Product wight Product wight   Product wight I IIIII wight   Product wight I IIIII wight   Product wight IIIII wight IIIII wight   Product Trademame IIIIII wight IIIIII wight   Product Trademame IIIIII wight IIIIII wight   Product Trademame IIIIIII wight IIIIIII wight   Product Trademame IIIIIII wight IIIIII wight   Product Sub Type IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Part no.			FAZ-Z40/1
Product widel Product widel 17 millinetre   Product Widel 18 millinetre   N	EAN			4015082786304
Preduct width   11.7 millinetre     Preduct wighth   0.116 kingsam     Compliances   0.116 kingsam     Cardinacions   11.8 kingsam     Cardinacions   Sector 22 kingsam     Cardinacions   Sector 22 kingsam     Cardinacions   Sector 22 kingsam     Preduct Yorker   Sector 22 kingsam	Product Length/Depth			80 millimetre
Product weight   17. nillinetre     Product weight   0.116 kingsam     Compliances   0.116 kingsam     Carlieations   19.0000 (with weighterming protector only)     Relifications   19.0000 (with weighterming protector only)     Relifications   19.0000 (with weighterming protector only)     Relifications   19.0000 (with weighterming protector only)     Product Trademame   19.00000 (with weighterming weighterming protector only)     Product Trademame   10.00000 (with weighterming weigh	Product height			75.5 millimetre
Compliance     III CSADD (with supplementary protector only)       Detifications     III CSADD (with supplementary protector only)       Product Trademame     III CSADD (with supplement	-			17.7 millimetre
Compliances   IL CSA8 (0001) supplementary protector why)     Betrifications   IL CSA8 (0001)     CSA (022 ND 28)   CSA (022 ND 28)     CSA (022 ND 28)   CSA (022 ND 28)     Sector Annue (III CSA8)   CSA (022 ND 28)     Product Tradename   CSA (022 ND 28)     Product Tradename   CSA (028 ND 27)     Product Tradename   CSA (028 ND 28)     Product Tradename   SSA (028 ND 28)     Number of polos (0000000   SSA (028 ND 28)	Product weight			0.116 kilogram
SSA C22 No. 235SSA C22 No. 23	Compliances			UL CSA09 (with supplementary protector only)
Product Type     MCB       Product Sub Type     None       Delivery program     None       Application     Branch circuits, not as BCPD       Number of poles     Switchgear for industrial and advanced commercial applications xtHeet- Switchgear for industrial and advanced commercial applications for the switchgear for industrin advanced commercia	Certifications			CSA-C22.2 No. 235 CSA (File No. 204453) CE marking UL (Category Control Number QVNU2, QVNU8) North America (UL recognized, CSA certified) CSA (Class No. 3215-30) UL 1077 IEC/EN 60898 UL (File No. E177451) IEC 61373
Product Sub Type   None     Delivery program   Branch circuits, not as BCPD.     Application   Branch circuits, not as BCPD.     Number of poles   Single-pole     Number of poles (total)   Single-pole     Number of poles (protected)   I     Number of poles (protected)   I     Number of poles (protected)   I     Apperage Rating   Z     Type   40 A     Type   40 A     Voltage type   AC     Voltage rating   240 V AC / 415 V AC     Voltage rating (UL CSA 13)   EVECTION     Rated size size (ULIMP)   240 V AC / 415 V AC     Voltage rating (UL CSA 13)   EVECTION     Rated size size (ULIMP)   240 V AC / 415 V AC     Voltage rating (UL CSA 13)   EVECTION     Rated size size (ULIMP)   240 V AC / 415 V AC     Rated size size size size size size size size	Product Tradename			xEffect - FAZ
Delivery program     Particular       Application     Branch circuits, not as BCPD Switchage for industrial and advanced commercial applications Switchage for industrial and advanced commercial applications       Number of poles     Single-pole       Number of poles (total)     I       Release characteristic     I       Release characteristic     Z       Amparage Rating     VOLA       Type     AQ       Voltage rating     AC       Voltage rating at DC     SUV (four pole)       Rated insultand voltage (Ule) - max     SUV (four pole)       Rated insultan voltage (Ule) - max     SUV (four pole)       Rated insultan voltage (Ule) - max     SUV (four pole)       Rated insultan voltage (Ule) - max     SUV (four pole)       Rated insultan volt	Product Type			MCB
Application   Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications seffect - Switchgear for industrial and advanced commercial applications setfect - Switchgear for industrial and advanced commercial applications industrial and advanced commercial applications     Number of poles (total)   Intel - Switchgear for industrial and advanced commercial applications     Amperage Rating   Intel - Switchgear for industrial and advanced commercial applications     Amperage Rating   Intel - Switchgear for industrial and advanced commercial applications     Voltage rating Chart - Electrical   Intel - Switchgear for industrial and advanced commercial applications     Volt	Product Sub Type			None
Number of polesSwitchgear for industrial and advanced commercial applications skiftert - Switchgear for industrial and advanced commercial applic	Delivery program			
Number of poles (total)IINumber of poles (protected)IINumber of poles (protected)IITripping characteristicZIAmperage RatingIITypeIITochnical Data - ElectricalIIVoltage typeAIVoltage rating at DCIIVoltage rating at DCIIVoltage rating at DCIIVoltage rating (UL CSA 13)IIRated inpulse withstand voltage (Uimp)IIFrequency rating - maxIIPrequency rating - maxIIRated soutching capacity (EC 60987-2)IIQuertional switching capacity (EC 60989) at 400 VIIRated short-circuit breaking capacity (EC 60987-2) at 220 VIIRa	Application			Switchgear for industrial and advanced commercial applications
Number of poles (protected)Image: pole sector stateImage: pole sector stateTripping characteristicImage: pole sector stateImage: pole sector stateAmperage RatingImage: pole sector stateImage: pole sector stateTypeImage: pole sector stateImage: pole sector stateTypeImage: pole sector stateImage: pole sector stateVoltage typeImage: pole sector stateImage: pole sector stateVoltage rating at DCImage: pole sector stateImage: pole sector stateVoltage rating (UL CS 13)Image: pole sector stateImage: pole sector stateRated inpulse withstand voltage (Ulin)Image: pole sector stateImage: pole sector stateFrequency rating - maxImage: pole sector stateImage: pole sector statePrequency rating - maxImage: pole sector stateImage: pole sector state<	Number of poles			Single-pole
Tripping characteristicZRelease characteristicZAmperage Rating40 ATypeFAZ Miniature circuit breakerTothical Data - ElectricalAVoltage typeACVoltage type40 V AC / 415 V ACVoltage rating at DC240 V AC / 415 V ACVoltage rating (UL CSA 13)277 V AC; 48 V DCRated operational voltage (Uinp)400 VRated insulation voltage (Uinp)440 VFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity (IEC 609492)0 kARated short-circuit breaking capacity (IEC 609492)0 kARated short-circuit breaking capacity (IEC 609492)200 VRated short-circuit breaking capacity (IEC 609492)0 kARated short-circuit breaking capacity (IEC 609492)0 kARated short-circuit breaking capacity (IEC 6094922)0 kARated short-circuit breaking capacity (IEC 6094922)0 kARated short-circuit breaking capacity (IEC 6094922)0 kARated short-circuit breaking capacity (IEC 609472)0 kARated short-circuit breaking capacity (IEC 6094722)0 kARated short-circuit breaking capacity (IEC 6094722) <td< td=""><td>Number of poles (total)</td><td></td><td></td><td>1</td></td<>	Number of poles (total)			1
Release characteristic     Z       Amperage Rating     40 A       Type     40 A       Type     Amperage Rating       Voltage type     AC       Voltage rating at DC     60 V DC (per pole)       Voltage rating (UL CSA 13)     200 V AC / 415 V AC       Rated operational voltage (Uip)     300 V       Rated insulation voltage (Uip)     440 V       Rated insulation voltage (Uip)     440 V       Frequency rating - min     50 Hz       Frequency rating - min     50 Hz       Rated switching capacity (EC/EN 60947-2)     10 kA       Querational switching capacity (EC/EN 60989) at 200 V     10 kA       Rated short-circuit breaking capacity (EN 60989) at 200 V     64 A       Rated short-circuit breaking capacity (EC 60947-2) at 220 V     10 kA       Rated short-circuit breaking capacity (EN 60989) at 400 V     64 A       Rated short-circuit breaking	Number of poles (protecte	d)		1
Amperage Rating   40 A     Type   Facility     Type   Facility     Technical Data - Electrical   Facility     Voltage type   AC     Voltage rating at DC   60 VDC (per pole)     Voltage rating (UC SA 13)   60 VDC (per pole)     Rated insulation voltage (Ue) - max   707 VAC; 48 V DC     Rated insulation voltage (Uiny)   404     Frequency rating - max   60 HZ     Rated switching capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ     Rated short-circuit breaking capacity (EDC SM93P) at 200 VC   60 HZ	Tripping characteristic			Z
Type   AZ     Technical Data - Electrical   AC     Voltage type   AC     Voltage rating   40 V AC / 415 V AC     Voltage rating at DC   60 V DC (per pole)     Voltage rating (UL CSA 13)   270 V AC; 48 V DC     Rated operational voltage (Ue) - max   300 V     Rated insulation voltage (Uin)   400 V     Frequency rating - min   50 Hz     Frequency rating - min   50 Hz     Rated switching capacity (EE/EN 60947-2)   60 M C     Operational switching capacity (EN 60989) at 230 V   60 Hz     Rated short-circuit breaking capacity (EC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60987-2) at 230 V   60 Hz </td <td>Release characteristic</td> <td></td> <td></td> <td>Z</td>	Release characteristic			Z
Technical Data - Electrical   Miniature circuit breaker     Voltage type   A     Voltage rating   AC     Voltage rating at DC   60 V DC (per pole)     Voltage rating (LL CSA 13)   277 V AC; 48 V DC     Rated operational voltage (Ue) - max   200 V AC / 415 V AC     Rated insulation voltage (Uinp)   200 V C (per pole)     Frequency rating - max   60 H2     Frequency rating - max   60 H2     Rated short-circuit breaking capacity (EC 60989) at 230 V   60 H2     Rated short-circuit breaking capacity (EC 60989) at 230 V   60 H2     Rated short-circuit breaking capacity (EC 60989) at 230 V   60 H2     Rated short-circuit breaking capacity (EC 60989) at 230 V   60 H2     Rated short-circuit breaking capacity (EC 60989) at 230 V   0 KA     Rated short-circuit breaking capacity (EC 60989) at 230 V   0 KA     Rated short-circuit breaking capacity (EC 60989) at 230 V   0 KA     Rated short-circuit breaking capacity (EC 60989) at 230 V   0 KA     Rated short-circuit breaking capacity (EC 60989) at 230 V   0 KA     Rated short-circuit breaking capacity (EC 609897-2) at 230 V   0 KA	Amperage Rating			40 A
Voltage typeACVoltage rating240 V AC / 415 V ACVoltage rating at DC240 V AC / 415 V ACVoltage rating (UL CSA 13)60 V DC (per pole)Rated operational voltage (Ue) - max270 V AC; 48 V DCRated insulation voltage (Uin)440 VRated insulation voltage (Uinp)60 V DC (per pole)Frequency rating - min60 V DC (per pole)Rated switching capacity (EC/EN 60947-2)60 V DC (per pole)Operational switching capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 V DC (per pole)Rated short-circuit breaking capacity (EN 60989) at 230 V60 K ARated short-circuit breaking capacity (EN 60989) at 230 V60 K ARated short-circuit breaking capacity (EN 60989) at 230 V60 K ARated short-circuit breaking capacity (EN 60989) at 230 V60 K ARated short-circuit breaking capacity (EN 60989) at 400 V60 K ARated short-circuit breaking capacity (EN 60987-2) at 230 V60 K ARated short-circuit breaking capacity (EN 60989 At 00 V60 K A<	Туре			
Voltage rating   240 V AC / 415 V AC     Voltage rating at DC   60 V DC (per pole)     Voltage rating (UL CSA 13)   277 V AC; 48 V DC     Rated operational voltage (Ue) - max   230 V     Rated insulation voltage (Uinp)   440 V     Frequency rating - min   50 Hz     Frequency rating - max   60 Hz     Prequency rating - max   60 Hz     Operational switching capacity (IEC/EN 60947-2)   10 kA     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   60 Hz	Technical Data - Electri	ical		
Voltage rating at DC60 V DC (per pole)Voltage rating (UL CSA 13)277 V AC; 48 V DCRated operational voltage (Ue) - max230 VRated insulation voltage (Ui)440 VRated inpulse withstand voltage (Uimp)460 V DC (per pole)Frequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)60 HzOperational switching capacity (EN 60989) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V60 HzRated short-circuit breaking capacity (	Voltage type			AC
Voltage rating (UL CSA 13)277 V AC; 48 V DCRated operational voltage (Ue) - max230 VRated insulation voltage (Ui)440 VRated impulse withstand voltage (Uimp)64 6Frequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)64 6Operational switching capacity (EN 60988) at 230 V10 kARated short-circuit breaking capacity (EN 60988) at 400 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6Rated short-circuit breaking capacity (IEC 60947-2) at 230 V64 6	Voltage rating			240 V AC / 415 V AC
Rated operational voltage (Ue) - max230 VRated insulation voltage (Ui)440 VRated inpulse withstand voltage (Uimp)440 VFrequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity (EN 60989) at 230 V6 HzRated short-circuit breaking capacity (IEC 60987) at 400 V6 HzRated short-circuit breaking capacity (IEC 60987) at 400 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60987) at 430 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity (IEC 60947-2) at 230 V6 HzRated short-circuit breaking capacity	Voltage rating at DC			60 V DC (per pole)
Rated insulation voltage (Ui)440 VRated inpulse withstand voltage (Uimp)4 kVFrequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity (EN 60989) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Voltage rating (UL CSA 13)			277 V AC; 48 V DC
Rated impulse withstand voltage (Uimp)4 kVFrequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity (EN 60989) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Rated operational voltage	(Ue) - max		230 V
Frequency rating - min50 HzFrequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity7.5 kARated short-circuit breaking capacity (EN 60898) at 230 V0 kARated short-circuit breaking capacity (EN 60898) at 400 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Rated insulation voltage (U	Ji)		440 V
Frequency rating - max60 HzRated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity (EN 60988) at 230 V7.5 kARated short-circuit breaking capacity (EN 60898) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Rated impulse withstand v	roltage (Uimp)		4 kV
Rated switching capacity (IEC/EN 60947-2)10 kAOperational switching capacity10 kARated short-circuit breaking capacity (EN 60898) at 230 V0 kARated short-circuit breaking capacity (EN 60898) at 400 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Frequency rating - min			50 Hz
Operational switching capacityCompared by a capacity7.5 kARated short-circuit breaking capacity (EN 60898) at 230 V0 kARated short-circuit breaking capacity (EN 60898) at 400 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Frequency rating - max			60 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V0 kARated short-circuit breaking capacity (EN 60898) at 400 V0 kARated short-circuit breaking capacity (IEC 60947-2) at 230 V0 kA	Rated switching capacity (	(IEC/EN 60947-2)		10 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V   0 kA     Rated short-circuit breaking capacity (IEC 60947-2) at 230 V   10 kA	Operational switching cap	acity		7.5 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	Rated short-circuit breakin	ng capacity (EN 60898) at 230 V		0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	Rated short-circuit breakin	ng capacity (EN 60898) at 400 V		0 kA
				10 kA

Admissible back-up fuse - max

125 A gL/gG

Calasti itti alasa	2
Selectivity class	3
Lifespan, electrical	10000 operations
Overvoltage category	
Pollution degree	2 Association
Direction of incoming supply	As required
Technical Data - Mechanical	
Frame	45 mm
Enclosure width	80 mm
Width in number of modular spacings	1
Built-in depth	70.5 mm
Mounting width per pole	17.5 mm
Mounting width	17.5 mm
Mounting Method	Top-hat rail IEC/EN 60715
Mounting position	As required
Degree of protection	UL/CSA Type: - IP20 (IEC) IP20 IP40 (when fitted)
Terminals (top and bottom)	Twin-purpose terminals
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 cross section (multi-wired) - min	1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
Terminal capacity of screw terminals for main cable	10 mm² (2x)
Terminal capacity (control cable)	25 mm² (1x)
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Busbar material thickness	0.8 mm - 2 mm
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	40 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	4.5 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.
10.9.4 Testing of enclosures made of insulating material     10.10 Temperature rise	Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
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 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]) Built-in depth mm 70.5 Release characteristic Ζ Number of poles (total) 1 Number of protected poles 1 Rated current 40 А v Rated voltage 230 440 Rated insulation voltage Ui v Rated impulse withstand voltage Uimp kV 4 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V kΑ 0 Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V kΑ 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 10 Frequency Hz 50 - 60 w Power loss 4.5 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