



FAZ-D5/2 278776 FAZ-D5/2



Similar to illustration

Delivery program			
Basic function			Miniature circuit breakers
Number of poles			2 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	I _n	A	5
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ
- outor range			
Technical data			
Electrical			
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	A	5
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent		W	3.3
	P _{vid}		
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	75
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
			The panel builder is responsible for the temperature rise calculation. Eaton will
10.10 Temperature rise			

10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])		
Release characteristic	D	
Number of voloo (total)		

Nominal rated current A A Nominal rated current V 40 Nominal rated voltage V 40 Rated short-circuit breaking capacity Icn EN 60898 at 200 V KA 10 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 10 Rated short-circuit breaking capacity Icn EC 60947-2 at 200 V KA 10 Voltage type KA 10 Voltage type KA 10 Current limiting class KA 10 Frequency KA 10 Sutable for flush-mounted installation KA 10 Our or totage category KA 10	Number of poles (total)		2
Nominal rated voltage V Model Nominal rated voltage V Model Rated short-circuit breaking capacity Icn EN 60898 at 200 V KA Model Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA Model Rated short-circuit breaking capacity Icn EC 60947-2 at 200 V KA Model Voltage type KA Model Model Current limiting class KA Model Model Stable for flush-mounted installation KA Model Model Noting erge Model Model Model Model Noting erge Model Model Model Model Model Moting at englished Model	Number of protected poles		2
Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA 1 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 10 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 15 Rated short-circuit breaking capacity Icn EN 60947-2 at 230 V KA 15 Voltage type KA 10 Current limiting class S Concurrently switching N-neutral Suitable for flush-mounted installation MA 10 Over voltage category MA 10 Pollution degree Ma 10 With in number of modular spacings Ma 10 Built-in depth Ma Ma Additional equipment possible Ma 10	Nominal rated current	А	5
Rated short-circuit breaking capacity lon EK 060898 at 400 V KA 10 Rated short-circuit breaking capacity lou IEC 60947-2 at 230 V KA 15 Rated short-circuit breaking capacity lou IEC 60947-2 at 400 V KA 10 Voltage type KA 10 Current limiting class KA 10 Frequency KA 10 Suitable for flush-mounted installation KA 10 Over voltage category KA 10 Pollution degree KA 10 Built-in depth KA 10 Addional equipment possible KA 10	Nominal rated voltage	V	400
Rated short-circuit breaking capacity Lcu IEC 60947-2 at 230 V KA 5 Rated short-circuit breaking capacity Lcu IEC 60947-2 at 400 V KA 5 Voltage type KA 5 Current limiting class KA KA Frequency KA So Suitable for flush-mounted installation KA So Over voltage category KA So Pollution degree KA So With in number of modular spacings KA So Built-in depth KA So Additional equipment possible KA So	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity lcu IEC 60947-2 at 400 V KA 5 Voltage type AC Curcuit limiting class Current limiting class 5 3 Frequency Hz 5 60 Concurrently switching N-neutral Hz 5 5 Suitable for flush-mounted installation MA No Max Over voltage category MA S S Pollution degree Max S S S With in number of modular spacings Max S S S Built-in depth Max Max Max S S Additional equipment possible Max Max S <td>Rated short-circuit breaking capacity Icn EN 60898 at 400 V</td> <td>kA</td> <td>10</td>	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Voltage typeACCurrent limiting classS3FrequencyHz0-60Concurrently switching N-neutralSNoSuitable for flush-mounted installationSNoOver voltage categorySSPollution degreeSSWitth in number of modular spacingsSMBuilt-in depthSSAdditional equipment possibleSS	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15
Current limiting class 3 Frequency Hz 50-60 Concurrently switching N-neutral M M Sutable for flush-mounted installation M M Over voltage category M M Pollution degree M S S Witth in number of modular spacings M M S Built-in depth Mm ToS S Additional equipment possible M M S	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	15
FrequencyHz50-60Concurrently switching N-neutralHz50-60Suitable for flush-mounted installationHzNoOver voltage categoryHzSuitable for flush mumber of modular spacingsSuitable for flush mumber of modular spacing for flush mumber of mu	Voltage type		AC
Concurrently switching N-neutral Mo Suitable for flush-mounted installation Mo Over voltage category Mo Pollution degree Mo Width in number of modular spacings Mo Built-in depth Mo Additional equipment possible Mo	Current limiting class		3
Suitable for flush-mounted installation Image: Second Se	Frequency	Hz	50 - 60
Over voltage categoryMarkMarkMarkPollution degree22Width in number of modular spacingsMark2Built-in depthMark70.5Additional equipment possibleMarkYes	Concurrently switching N-neutral		No
Pollution degree 2 Width in number of modular spacings M 2 Built-in depth Mm 70.5 Additional equipment possible M Yes	Suitable for flush-mounted installation		No
Width in number of modular spacings Model 2 Built-in depth Model 70.5 Additional equipment possible Model Yes	Over voltage category		3
Built-in depth mm 70.5 Additional equipment possible Image: State of the stat	Pollution degree		2
Additional equipment possible Yes	Width in number of modular spacings		2
	Built-in depth	mm	70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20

Approvals

Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.	E177451
UL Category Control No.	QVNU2, QVNU8
CSA File No.	204453
CSA Class No.	3215-30
North America Certification	UL recognized, CSA certified
Conditions of Acceptability	Supplementary Protector only
Suitable for	Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker	No
Max. Voltage Rating	480Y/277 VAC; 96 VDC
Degree of Protection	IEC: IP20; UL/CSA Type: -