Miniature circuit breaker (MCB), 5 A, 3p+N, characteristic: D

1691214



Part no. FAZ-D5/3N 278991

EL Number

(Norway)

Portion	(Norway)	
Part no.	Product name	Faton Modiller series vEffect - FAZ MCR
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Tripping characteristic Release characteristic Amperage Rating Type Rating Robert Control of the Amperage Rating Robert Control of the Robert Control of t	Number of poles (total)	4
Release characteristic Amperage Rating Type Type Voltage type Rated operational voltage (Ue) - max Rated operational voltage (Ui) Rated insulation voltage (Uin) Rated impulse withstand voltage (Uin) Rated impulse withstand voltage (Uin) Rated impulse withstand voltage (Uin) Rated impulse vithstand voltage (Uin) Rated impulse vithstand voltage (Uin) Rated short-circuit breaking capacity (EC K98947-2) Rated short-circuit breaking capacity (EN 69989) at 230 V Rated short-circuit breaking capacity (EC 69947-2) at 200 V Rated short-circuit breaking capacity (EC 69947-2) at 400 V Rated short-circuit breaking capacity (EC 69947-2) at 400 V Rated short-circuit breaking capacity (EC 69947-2) at 200 V Rated short-circuit breaking capacity (EC 69947-2) at 400 V Rated short-circuit break	Number of poles (protected)	3
Amperage Rating Type Voltage type Ac Rated operational voltage (Ue) - max Rated insulation voltage (Uin) Rated insulation voltage (Uinp) Rated short-circuit b	Tripping characteristic	D
Type Voltage type Ac Rated operational voltage (Ue) - max Rated insulation voltage (Uim) Rated insulation voltage (Uimp) Rated insulation voltage (Uimp) Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (EN 60987-2) Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at	Release characteristic	D
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Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated insulation voltage (Uin) Rated insulation voltage (Uin) Rated insulation voltage (Uinp) Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 80947-2) Rated switching capacity (IEC/EN 80947-2) Rated short-circuit breaking capacity (IEC 80949) at 230 V Rated short-circuit breaking capacity (IEC 80947-2) at 230 V Rated short-circuit breaking capacity (IEC 80947-2) at 230 V Rated short-circuit breaking capacity (IEC 80947-2) at 400 V Rouvoltage category III Width in number of modular spacings 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 Connectable conductor cross section (multi-wired) - min Time* 400 V 40	Туре	
Rated insulation voltage (Uin) 440 V Rated impulse withstand voltage (Uimp) 4kV Frequency rating - min 50 Hz Frequency rating - max 60 Hz Rated short-circuit breaking capacity (IEC/EN 60947-2) 15 kA Rated short-circuit breaking capacity (EN 60989) at 400 V 10 kA Rated short-circuit breaking capacity (IEC 60947-2) at 220 V 15 kA Rated short-circuit breaking capacity (IEC 60947-2) at 400 V 15 kA Overvoltage category III Pollution degree 2 Width in number of modular spacings 4 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 2 5 mm² Connectable conductor cross section (multi-wired) - min 1 mm²	Voltage type	AC
Rated impulse withstand voltage (Uimp) Frequency rating - min 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 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Rotroltage category Rill Pollution degree Vidith in number of modular spacings Built-in depth Degree of protection Rotroltage category Protection Rotroltage category Protection Rotroltage category At Category Protection Rotroltage category At Category Protection Rotroltage category At Category Protection Rotroltage category Protection Rotroltage category At Category Protection Rotroltage category At Category Protection Rotroltage category Protection Rotroltage category At Category Protection Rotroltage category Protection Rotroltage category Rot	Rated operational voltage (Ue) - max	400 V
Frequency rating - min Frequency rating - max	Rated insulation voltage (Ui)	440 V
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 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Roter of protection begins of the same of t	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 Rovervoltage category Rollution degree	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 Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 400 V Reted short-circuit breaking capacity (IEC 60947-2) at 200 V Reted short-circuit breaking capacity (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 Rovervoltage category III Pollution degree Width in number of modular spacings 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 To mare To mare 10 kA 15 kA 18 kB 18 k	Rated switching capacity (IEC/EN 60947-2)	15 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 Width in number of modular spacings 4 Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - min To show the short of the short o	Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Width in number of modular spacings Width in number of modular spacings A 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 The space of the spac	Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
Overvoltage category Pollution degree Pollution Pollution degree Pollution	Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	15 kA
Pollution degree 2 Width in number of modular spacings 4 Built-in depth 70.5 mm Degree of protection P20 Connectable conductor cross section (solid-core) - min 1 mm² Connectable conductor cross section (multi-wired) - min 2 1 mm² Connectable conductor cross section (multi-wired) - min 1 mm² 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 400 V	15 kA
Width in number of modular spacings 4 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	Overvoltage category	III
Built-in depth70.5 mmDegree of protectionIP20Connectable conductor cross section (solid-core) - min1 mm²Connectable conductor cross section (solid-core) - max25 mm²Connectable conductor cross section (multi-wired) - min1 mm²	Pollution degree	2
Built-in depth70.5 mmDegree of protectionIP20Connectable conductor cross section (solid-core) - min1 mm²Connectable conductor cross section (solid-core) - max25 mm²Connectable conductor cross section (multi-wired) - min1 mm²		
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	4
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		70.5 mm
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	Degree of protection	IP20
Connectable conductor cross section (multi-wired) - min 1 mm ²		1 mm ²
		25 mm ²
Connectable conductor cross section (multi-wired) - max 25 mm ²	Connectable conductor cross section (multi-wired) - min	1 mm ²
	Connectable conductor cross section (multi-wired) - max	25 mm ²

Rated operational current for specified heat dissipation (In)	5 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	5.3 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
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 be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Current limiting class	3
Features	Concurrently switching N-neutral 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 8.0

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

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Built-in depth	mm	70.5
Release characteristic		D
Number of poles (total)		4
Number of protected poles		3
Rated current	Α	5
Rated voltage	V	400
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	10
Voltage type		AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	15

Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	15
Frequency	Hz	50 - 60
Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		4
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