DATASHEET - FAZ-D50/4

Miniature circuit breaker (MCB), 50 A, 4p, characteristic: D



Miniature circuit breaker (MCB), 50 A, 4p, characteristic: D		
FAZ-D50/4 115376 1691242		Powering Business Worldwide
	Eaton Moeller series xE	ffect - FAZ MCB
	FAZ-D50/4	
	4015081147762	
	80 millimetre	
	75.5 millimetre	
	72 millimetre	
	0.49 kilogram	
	UL CSA09 (with supplen RoHS conform	nentary protector only)
	CSA-C22.2 No. 235 IEC/EN 60947-2 CSA (File No. 204453) IEC/EN 60898 UL (File No. E177451) UL 1077 North America (UL reco UL (Category Control Nu CE marking CSA (Class No. 3215-30) IEC 61373 EN45545-2	imber QVNU2, QVNU8)
	xEffect - FAZ	
	МСВ	
	None	
		BCPD al and advanced commercial applications industrial and advanced commercial applications
	Four-pole	
	4	
	4	
	D	
	D	
	50 A	
	FAZ Miniature circuit breake	ər
	AC	
	480 Y/277 V AC	
	400 V	
	440 V	
	4 kV	
	50 Hz	
	60 Hz	
	15 kA	
	10 kA	
	10 kA	
	10 kA	
V	10 kA	
	III	
	2	
	FAZ-D50/4 115376	FAZ-D50/4 I15376 Instruction Eaton Moeller series of Eaton Moeller series of Eaton Moeller series of EAZ-D50/4 Instruction FAZ-D50/4 Instruction FAZ Instruction

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Ruilt in donth	70.5 mm
Built-in depth	IP20
Degree of protection	UL/CSA Type: - IP20 (IEC)
Connectable conductor cross section (solid-core) - min	1 mm ²
Connectable conductor cross section (solid-core) - max	25 mm ²
Connectable conductor cross section (multi-wired) - min	1 mm ²
Connectable conductor cross section (multi-wired) - max	25 mm ²
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	50 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	6.8 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 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	Miniature circuit breaker FAZ

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		D	
Number of poles (total)		4	
Number of protected poles		4	

Rated current	А	50
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	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	10
Frequency	Hz	50 - 60
Power loss	W	17.3
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		4
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm	² 1 - 25
Connectable conductor cross section solid-core	mm	² 1 - 25
Explosion-proof		No