

Specifications



Eaton 144123

Eaton Moeller® series SOL30 Safety Fireman's switch, 25A, MV, UA 230V50Hz

General specifications

PRODUCT NAME	Eaton Moeller® series SOL30 Safety Fireman's switch
CATALOG NUMBER	144123
MODEL CODE	SOL30-SAFETY/2MV-U(230V50HZ)
EAN	4015081406333
PRODUCT LENGTH/DEPTH	224 mm
PRODUCT HEIGHT	130 mm
PRODUCT WIDTH	100 mm
PRODUCT WEIGHT	1.006 kg
CERTIFICATIONS	IEC/EN 60 947-3

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	60 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30
	Damp heat, constant, to IEC 60068-2-78

Electrical rating

RATED OPERATIONAL CURRENT (IE) AT DC-21A	30 A
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
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RATED UNINTERRUPTED CURRENT (IU)	32 A
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RESISTANCE	7 mΩ (internal)
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Contacts

NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	1
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NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
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NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
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Features & functions

ACTUATOR COLOR	Black
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ACTUATOR TYPE	Toggle
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FEATURES	Version as maintenance-/service switch
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FITTED WITH:	Voltage release optional
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LOCKING FACILITY	Lockable in the 0 (Off) position (with padlock)
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NUMBER OF POLES	Two-pole
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General information

APPLICATION	• Residential buildings
	• Utility buildings

CONNECTION TYPE	M12, Outputs M12, Inputs
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DEGREE OF PROTECTION	NEMA Other
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DEGREE OF PROTECTION (FRONT SIDE)	IP65
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LIFESPAN, ELECTRICAL	1,500 Operations
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LIFESPAN, MECHANICAL	100,000 Operations
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OPERATING FREQUENCY	120 Operations/h
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OVERVOLTAGE CATEGORY	III
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POLLUTION DEGREE	3
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PRODUCT CATEGORY	• Fireman's Switch
	• Switchgear for photovoltaic systems

RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	8000 V
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SUITABLE FOR	Ground mounting Floor mounting
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UTILIZATION CATEGORY	DC-21 A
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Short-circuit rating

RATED SHORT-CIRCUIT MAKING CAPACITY (ICM)	0.3 kA (up to 440 V, 50/60 Hz)
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RATED SHORT-TIME WITHSTAND CURRENT (ICW)	0.36 kA
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Resources

BROCHURES	eaton-xstorage-home-range-brochure-for-installers-en-gb.pdf
CATALOGUES	eaton-feuerwehrscharter-das-große-plus-an-sicherheit.pdf
CHARACTERISTIC CURVE	eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-008.eps
	eaton-manual-motor-starters-switch-sol30-fireman's-switch-dimensions.eps
	eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing.eps
	eaton-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps
DECLARATIONS OF CONFORMITY	eaton-fireman-s-switch-declaration-of-conformity-eu250782en.pdf
	eaton-fireman-s-switch-declaration-of-conformity-uk251265en.pdf
ECAD MODEL	DA-CE-ETN.SOL30-SAFETY_2MV-U(230V50HZ)
INSTALLATION INSTRUCTIONS	eaton-fireman-switch-sol30-safety-il03801002z.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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