

Specifications



Photo is representative

Eaton 144122

Eaton Moeller® series SOL30 Safety
Fireman's switch, 25A, MC4, UA 230V50Hz

General specifications

PRODUCT NAME	Eaton Moeller® series SOL30 Safety Fireman's switch
CATALOG NUMBER	144122
MODEL CODE	SOL30-SAFETY/2MC4- U(230V50HZ)
EAN	4015081406326
PRODUCT LENGTH/DEPTH	234 mm
PRODUCT HEIGHT	130 mm
PRODUCT WIDTH	100 mm
PRODUCT WEIGHT	1.084 kg
CERTIFICATIONS	IEC/EN 60 947-3
CATALOG NOTES	MC4 connector (Stäubli)

Climatic environmental conditions

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

Electrical rating

RATED OPERATIONAL CURRENT (IE) AT DC-21A	30 A
RATED UNINTERRUPTED CURRENT (IU)	32 A
RESISTANCE	7 mΩ (internal)

Contacts

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

Features & functions

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

General information

APPLICATION	• Residential buildings
	• Utility buildings

CONNECTION TYPE	MC4, Inputs MC4, Outputs
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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
	DC-PV (EN 60947-3)

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-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-002.eps eaton-manual-motor-starters-switch-sol30-fireman's-switch-dimensions-002.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing.eps
DECLARATIONS OF CONFORMITY	eaton-fireman-s-switch-declaration-of-conformity-eu250782en.pdf eaton-fireman-s-switch-declaration-of-conformity-uk251265en.pdf
ECAD MODEL	ETN.SOL30-SAFETY 2MC4-U(230V50HZ)
INSTALLATION INSTRUCTIONS	eaton-fireman-switch-sol30-safety-il03801002z.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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