

Specifications



Eaton 168103

Eaton Moeller® series SOL30 Safety Fireman's switch, for 4 strings, 25A, MV

General specifications

PRODUCT NAME	Eaton Moeller® series SOL30 Safety Fireman's switch
CATALOG NUMBER	168103
MODEL CODE	SOL30X4-SAFETY-MV-U(230V50HZ)
EAN	4015081646807
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	405 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	6.8 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)	26 A at DC-PV1 10 A at DC-PV2
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	1000 V
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RATED UNINTERRUPTED CURRENT (IU)	30 A
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RESISTANCE	7 mΩ (internal)
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Contacts

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

ACTUATOR TYPE	Turn button
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ENCLOSURE MATERIAL	Plastic
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FEATURES	Complete device in housing
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FITTED WITH:	0 (off) position Retraction in 0-position
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NUMBER OF POLES	Two-pole
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General information

APPLICATION	• Residential buildings
	• Utility buildings

CONNECTION TYPE	M12, Inputs M12, Outputs
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DEGREE OF PROTECTION	IP65
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DEGREE OF PROTECTION (FRONT SIDE)	IP65 NEMA Other
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LIFESPAN, ELECTRICAL	1,500 Operations
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LIFESPAN, MECHANICAL	100,000 Operations
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MODEL	On/Off switch
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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
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UTILIZATION CATEGORY	DC-21 A
	DC-PV1 (EN 60947-3)
	DC-PV2 (EN 60947-3)

Short-circuit rating

RATED SHORT-CIRCUIT MAKING CAPACITY (ICM)	0.32 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

CATALOGUES	eaton-feuerwehrscharter-das-große-plus-an-sicherheit.pdf Product Range Catalog Switching and protecting motors
CHARACTERISTIC CURVE	eaton-manual-motor-starters-sol30-fireman's-switch-dimensions-004.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-007.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-005.eps eaton-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps
DECLARATIONS OF CONFORMITY	eaton-fireman-s-switch-declaration-of-conformity-uk251265en.pdf eaton-fireman-s-switch-declaration-of-conformity-eu250782en.pdf
ECAD MODEL	DA-CE-ETN.SOL30X4-SAFETY-MV-U(230V50HZ)
INSTALLATION INSTRUCTIONS	eaton-multi-way-fireman-switch-sol30x-safety-il03402053z.pdf
MCAD MODEL	eaton-cam-switches-mcad-drawings-sol30x4-safety-mv-u.dwg sol30x4 safety mv u.stp

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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