

Specifications



Eaton 168100

Eaton Moeller® series SOL30 Safety Fireman's switch, for 3 strings, 25A, MC4

General specifications

PRODUCT NAME	Eaton Moeller® series SOL30 Safety Fireman's switch
CATALOG NUMBER	168100
MODEL CODE	SOL30X3-SAFETY-MC4-U(230V50HZ)
EAN	4015081646777
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	410 mm
PRODUCT WIDTH	250 mm
PRODUCT WEIGHT	5.5 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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Electrical rating

RATED OPERATIONAL CURRENT (IE)	30 A at AC-21A 30 A at DC-PV1 10 A at DC-PV2
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	1000 V
RATED UNINTERRUPTED CURRENT (IU)	30 A
RESISTANCE	7 mΩ (internal)

Contacts

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

Features & functions

ACTUATOR TYPE	Turn button
ENCLOSURE MATERIAL	Plastic
FEATURES	Complete device in housing
FITTED WITH:	Retraction in 0-position 0 (off) position
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	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	Product Range Catalog Switching and protecting motors eaton-feuerwehrschaalter- das-große-plus-an- sicherheit.pdf
CHARACTERISTIC CURVE	eaton-manual-motor- starters-sol30-fireman's- switch-3d-drawing-007.eps eaton-manual-motor- starters-sol30-fireman's- switch-dimensions.eps eaton-motorstarters- undervoltage-sol30- fireman's-switch- characteristic-curve.eps eaton-manual-motor- starters-sol30-fireman's- switch-3d-drawing-004.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.SOL30X3- SAFETY-MC4-U(230V50HZ)
INSTALLATION INSTRUCTIONS	eaton-multi-way-fireman- switch-sol30x-safety- il03402053z.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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