Specifications



Eaton 168100

Eaton Moeller® series SOL30 Safety Fireman's switch, for 3 strings, 30A, 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 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)

General information

APPLICATION	• Residential buildings • Utility buildings
CONNECTION TYPE	MC4, Inputs MC4, Outputs
DEGREE OF PROTECTION	IP65
DEGREE OF PROTECTION (FRONT SIDE)	IP65 NEMA Other
LIFESPAN, ELECTRICAL	1,500 Operations
LIFESPAN, MECHANICAL	100,000 Operations
MODEL	On/Off switch
OPERATING FREQUENCY	120 Operations/h
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	• Fireman's Switch • Switchgear for photovoltaic systems
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	8000 V
SUITABLE FOR	Ground mounting
UTILIZATION CATEGORY	DC-PV1 (EN 60947-3) DC-PV2 (EN 60947-3)

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

Short-circuit rating

RATED SHORT-TIME WITHSTAND CURRENT (ICW)	0.36 kA

Resources

CHARACTERISTIC CURVE	eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-007.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-004.eps eaton-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps eaton-manual-motor-starters-sol30-fireman's-switch-dimensions.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.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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