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)

General information

APPLICATION	• Residential buildings • Utility buildings
CONNECTION TYPE	MC4, Inputs MC4, Outputs
DEGREE OF PROTECTION	NEMA Other
DEGREE OF PROTECTION (FRONT SIDE)	IP65
LIFESPAN, ELECTRICAL	1,500 Operations
LIFESPAN, MECHANICAL	100,000 Operations
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 Floor mounting
UTILIZATION CATEGORY	DC-21 A DC-PV (EN 60947-3)

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

Short-circuit rating

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

Resources

CHARACTERISTIC CURVE	eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing-002.eps eaton-manual-motor-starters-sol30-fireman's-switch-3d-drawing.eps eaton-manual-motor-starters-switch-sol30-fireman's-switch-dimensions-002.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	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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