

Fireman's switch, 25A, MC4, UA 230V50Hz



Part no. SOL30-SAFETY/2MC4-U(230V50HZ)
144122
EL Number 4300325
(Norway)

General specifications		
Product name		Eaton Moeller® series SOL30 Safety Fireman's Switch
Part no.		SOL30-SAFETY/2MC4-U(230V50HZ)
EAN		4015081406326
Product Length/Depth		234 millimetre
Product height		130 millimetre
Product width		100 millimetre
Product weight		1.084 kilogram
Certifications		IEC/EN 60 947-3
Product Tradename		SOL30 Safety
Product Type		Fireman's Switch
Product Sub Type		None
Catalog Notes		Application: DC isolation in photovoltaic systems between PV generator and power inverter for disconnecting power Prewired ready for connection Remote tripping with integrated undervoltage release 230 V, 50 Hz Signaling of switch state via auxiliary contact 1 N/O and 1 NC Spring switch function
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
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
Utilization category		DC-21 A DC-PV (EN 60947-3)
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		60 °C
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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
Electrical rating		
Rated operational current (Ie) at DC-21A		30 A
Rated operational power at AC-23A, 400 V, 50 Hz		0 kW
Rated operational power at AC-3, 380/400 V, 50 Hz		0 kW
Rated operational voltage (Ue) at AC - min		V
Rated operational voltage (Ue) at AC - max		V
Rated uninterrupted current (Iu)		32 A
Resistance		7 mΩ (internal)
Short-circuit rating		
Rated conditional short-circuit current (Iq)		0 kA
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

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss10.0.1-27-37-14-03 [AKF060013])		
Version as main switch		No
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	1,000
Rated operating voltage	V	1,000 - 1,000
Rated permanent current Iu	A	32
Rated permanent current at AC-23, 400 V	A	0
Rated permanent current at AC-21, 400 V	A	0
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current Icw	kA	0.36
Rated operation power at AC-23, 400 V	kW	0
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	0
Number of poles		2
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		1
Motor drive optional		No
Motor drive integrated		No
Voltage release optional		Yes
Device construction		Complete device in housing
Suitable for floor mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		No
Colour control element		Black
Type of control element		Toggle
Interlockable		No
Type of electrical connection of main circuit		Other
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		Other