DATASHEET - SOL30-SAFETY/2MV-U(230V50HZ)

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

Part no.	**SOL30-SAFETY/2MV-U(230V50HZ)**
	144123
EL Number (Norway)	**4300326**

General specifications

Product name	Eaton Moeller® series SOL30 Safety Fireman's switch
Part no.	SOL30-SAFETY/2MV-U(230V50HZ)
EAN	4015081406333
Product Length/Depth	224 millimetre
Product height	130 millimetre
Product width	100 millimetre
Product weight	1.006 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	M12, Outputs M12, Inputs
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

Climatic environmental conditions

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	60 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

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 - max		690 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 9.0

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

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	690
Rated operating voltage	V	690 - 690
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		Cable clamp
With pre-assembled cabling		No
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		Other
Width	mm	100
Height	mm	130
Depth	mm	224

Width in number of modular spacings				

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