DATASHEET - SOL30X3-SAFETY-MC4-U(230V50HZ)

Fireman's switch, for 3 strings, 25A, MC4

Part no.	**SOL30X3-SAFETY-MC4-U(230V50HZ)**
	168100
EL Number (Norway)	**4300332**

General specifications	
Product name	Eaton Moeller® series SOL30 Safety Fireman's switch
Part no.	SOL30X3-SAFETY-MC4-U(230V50HZ)
EAN	4015081646777
Product Length/Depth	150 millimetre
Product height	410 millimetre
Product width	250 millimetre
Product weight	5.5 kilogram
Certifications	IEC/EN 60 947-3
Product Tradename	SOL30 Safety
Product Type	Fireman's switch
Product Sub Type	None
Catalog Notes	MC4 connector (Stäubli)
Features & Functions	
Actuator type	Turn button
Enclosure material	Plastic
Features	Complete device in housing
Fitted with:	0 (off) position Retraction in 0-position
Number of poles	Two-pole
General information	
Application	Utility buildings Residential buildings
Connection type	MC4, Outputs MC4, Inputs
Degree of protection	IP65
Degree of protection (front side)	NEMA Other IP65
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	Switchgear for photovoltaic systems Fireman's Switch
Rated impulse withstand voltage (Uimp)	8000 V
Suitable for	Ground mounting
Utilization category	DC-PV2 (EN 60947-3) DC-PV1 (EN 60947-3) DC-21 A
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)	0
Number of auxiliary contacts (normally closed contacts)	1
Number of auxiliary contacts (normally open contacts)	1

Electrical rating		
Rated operational current (Ie)		10 A at DC-PV2 30 A at DC-PV1 30 A at AC-21A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		0 A
Rated operational power at AC-3, 380/400 V, 50 Hz		0 kW
Rated operational voltage (Ue) at AC - max		1000 V
Rated uninterrupted current (Iu)		30 A
Resistance		7 mΩ (internal)
Short-circuit rating		
Rated short-circuit making capacity (Icm)		0.32 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) / Off-load switch (EC001105)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Load-break switch (ecl@ss13-27-37-14-05 [AKF062018])		
Model		On/Off switch
Number of poles		2
With zero (off) position		Yes
With retraction in 0-position		Yes
Rated permanent current Iu	A	30
Rated operation current Ie at AC-3, 400 V	A	0
Rated operation power at AC-3, 400 V	kW	0
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		Other
Number of auxiliary contacts as normally closed contact		1
Number of auxiliary contacts as normally open contact		1
Number of auxiliary contacts as change-over contact		0
Suitable for floor mounting		Yes
Suitable for front mounting		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		No
Complete device in housing		Yes
Housing material		Plastic
Type of control element		Turn button
Type of electrical connection of main circuit		Screw connection

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