

## Fireman's switch, for 2 strings, 25A, MC4

**Part no.** SOL30X2-SAFETY-MC4-U(230V50HZ)  
**168098**  
**EL Number** 4300330  
**(Norway)**

## General specifications

Product name	Eaton Moeller® series SOL30 Safety Fireman's Switch
Part no.	SOL30X2-SAFETY-MC4-U(230V50HZ)
EAN	4015081646753
Product Length/Depth	150 millimetre
Product height	410 millimetre
Product width	250 millimetre
Product weight	5.1 kilogram
Certifications	IEC/EN 60 947-3
Product Tradename	SOL30 Safety
Product Type	Fireman's Switch
Product Sub Type	None

## Features &amp; 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

## 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-21 A DC-PV1 (EN 60947-3) DC-PV2 (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)	0
Number of auxiliary contacts (normally closed contacts)	1
Number of auxiliary contacts (normally open contacts)	1

## Electrical rating

Rated operational current (Ie)	30 A at AC-21A
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		30 A at DC-PV1 10 A at DC-PV2
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)
<b>Short-circuit rating</b>		
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 8.0

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 / Changeover switch (ecl@ss10.0.1-27-37-14-05 [AKF062013])

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
Material housing		Plastic
Type of control element		Turn button
Type of electrical connection of main circuit		Screw connection