

# Eaton 168104

Catalog Number: 168104

Eaton Moeller® series SOL30 Safety Fireman's switch, for 6 strings, 25A, MC4



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller® series SOL30 Safety Fireman's switch	168104
	<b>EAN</b>
	4015081646814
<b>Product Length/Depth</b>	<b>Product Height</b>
225 mm	410 mm
<b>Product Width</b>	<b>Product Weight</b>
500 mm	9.5 kg
<b>Certifications</b>	<b>Catalog Notes</b>
IEC/EN 60 947-3	MC4 connector (Stäubli)
<b>Model Code</b>	
SOL30X6-SAFETY-MC4-U(230V50HZ)	

## Features & 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

Six-pole

## General

### 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)

#### 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

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)

#### 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

#### Resurser

Certifieringsrapporter

[DA-DC-00003915.pdf](#)

[DA-DC-00004207.pdf](#)

Characteristic curve

[eaton-manual-motor-starters-sol30-fireman's-switch-dimensions-005.eps](#)

[eaton-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps](#)

[eaton-manual-motor-starters-sol30-fireman's-switch-3-d-drawing-006.eps](#)

[eaton-manual-motor-starters-sol30-fireman's-switch-3-d-drawing-007.eps](#)

Installationsanvisningar

Kataloger

eaton-fireman-switch-safety-first-sol30x-flyer-fl003001en-en-us.pdf

---



Eaton Corporation plc  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2024 Eaton. Med  
ensamrätt.

Eaton is a registered trademark.

All other trademarks are  
property of their respective  
owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)