

Eaton 168105

Catalog Number: 168105

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



General specifications

Product Name	Catalog Number
Eaton Moeller® series SOL30 Safety Fireman's switch	168105
	EAN
	4015081646746
Product Length/Depth	Product Height
225 mm	405 mm
Product Width	Product Weight
500 mm	9.5 kg
Certifications	Model Code
IEC/EN 60 947-3	SOL30X6-SAFETY-MV-U(230V50HZ)

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

Application

Residential buildings

Utility buildings

Connection type

M12, Inputs

M12, 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)

26 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-00004207.pdf](#)

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

Characteristic curve

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

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

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

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

Installationsanvisningar

[IL03402053Z2021_10.pdf](#)

Kataloger

[eaton-fireman-switch-safety-first-sol30x-flyer-fl003001en-en-us.pdf](#)

mCAD model

[sol30x6_safety_mv_u.dwg](#)

[sol30x6_safety_mv_u.stp](#)



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