

# Eaton 157861

Catalog Number: 157861

Eaton Moeller® series P-SOL Undervoltage release, delayed, 24 V DC



### General specifications

Product Name	Catalog Number
Eaton Moeller® series P-SOL Accessory	157861
Undervoltage Release	EAN
	4015081544516
Product Length/Depth	Product Height
68 mm	90 mm
Product Width	Product Weight
24 mm	0.148 kg
Compliances	
CE	

## Features & Functions

### Electric connection type

Screw connection

### Fitted with:

Internal delay for bridging intermittent voltage dips and fluctuations

### Functions

Delayed

## General

### Application

Residential buildings

Utility buildings

### Product category

Accessories

### Product category

Accessories

### Suitable for

Off-load switch

### Voltage type

DC

## Climatic environmental conditions

### Ambient operating temperature - min

-25 °C

### Ambient operating temperature - max

60 °C

## Terminal capacities

### Terminal capacity (solid/flexible with ferrule)

2 x (0.75 - 2.5) mm<sup>2</sup>

1 x (0,75 - 2,5) mm<sup>2</sup>

### Terminal capacity (solid/stranded AWG)

1 x (18 - 14)

2 x (18 - 14)

## Electrical rating

### Rated operational voltage (Ue) at DC - min

24 V

### Rated operational voltage (Ue) at DC - max

24 V

## Magnet system

### Pick-up voltage

0.85 - 1.1 V x Uc

### Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

### Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

### Rated control supply voltage (Us) at AC, 60 Hz - min

0 V

### Rated control supply voltage (Us) at AC, 60 Hz - max

0 V

### Rated control supply voltage (Us) at DC - min

0 V

### Rated control supply voltage (Us) at DC - max

24 V

Contacts

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

0

Number of contacts (normally open contacts)

0

Power consumption

Power consumption (pick-up) at DC

3 W

Power consumption (sealing) at DC

3 W

Design verification

Equipment heat dissipation, current-dependent P<sub>vid</sub>

0 W

Heat dissipation capacity P<sub>diss</sub>

0 W

Heat dissipation per pole, current-dependent P<sub>vid</sub>

0 W

Rated operational current for specified heat dissipation (I<sub>n</sub>)

0 A

Static heat dissipation, non-current-dependent P<sub>vs</sub>

0.8 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

### 10.2.7 Inscriptions

Meets the product standard's requirements.

### 10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

### 10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

### 10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

### 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

### 10.8 Connections for external conductors

Is the panel builder's responsibility.

### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

### 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

### 10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

### 10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

### 10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

### 10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Resources

### Catalogs

[Switching and protecting motors - catalog](#)

[Product Range Catalog Switching and protecting motors](#)

### Characteristic curve

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

### Declarations of conformity

[DA-DC-00004851.pdf](#)

[DA-DC-00004069.pdf](#)

[DA-DC-00003914.pdf](#)

[DA-DC-00004206.pdf](#)

[DA-DC-00004787.pdf](#)

[DA-DC-00004230.pdf](#)

### Drawings

[eaton-manual-motor-starters-release-u-pkz0-accessory-dimensions.eps](#)

[eaton-manual-motor-starters-release-u-pkz0-accessory-3d-drawing.eps](#)

### eCAD model

[DA-CE-ETN.P-SOL-XUV\(24VDC\)](#)

### mCAD model

[DA-CS-a\\_pkz](#)

[DA-CD-a\\_pkz](#)

### Wiring diagrams

[eaton-manual-motor-starters-undervoltage-u-pkz0-accessory-wiring-diagram.eps](#)



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