Specifications

Eaton 157861



Catalog Number: 157861

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

General specifications

Product Name
Eaton Moeller® series P-SOL Accessory Undervoltage Release

Catalog Number
157861

EAN
4015081544516

Product Length/Depth
68 mm

Product Height
90 mm

Product Width
24 mm

Product Weight
0.148 kg

Compliances
CE

Powering Business Worldwide

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) mm²

1 x (0,75 - 2,5) mm²

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 Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

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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