

Specifications

Eaton 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
MODEL CODE	P-SOL-XUV(24VDC)

Product specifications

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.
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.

Resources

CATALOGUES	Switching and protecting motors - catalog Product Range Catalog Switching and protecting motors Brochure - SOL30-Safety. How to use renewables in a meaningful and efficient manner
CHARACTERISTIC CURVE	eaton-motorstarters-undervoltage-sol30-fireman's-switch-characteristic-curve.eps DA-DC-00004069.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004787.pdf DA-DC-00004230.pdf DA-DC-00004851.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-CD-a_pkz DA-CS-a_pkz
WIRING DIAGRAMS	eaton-manual-motor-starters-undervoltage-u-pkz0-accessory-wiring-diagram.eps

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.
ELECTRIC CONNECTION TYPE	Screw connection
FITTED WITH:	Internal delay for bridging intermittent voltage dips and fluctuations
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	24 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	24 V
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.8 W
PRODUCT CATEGORY	Accessories
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING	-25 °C

TEMPERATURE - MIN	
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
POWER CONSUMPTION (PICK-UP) AT DC	3 W
POWER CONSUMPTION (SEALING) AT DC	3 W
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
VOLTAGE TYPE	DC
FUNCTIONS	Delayed
SUITABLE FOR	Off-load switch
APPLICATION	<ul style="list-style-type: none"> • Residential buildings • Utility buildings
PICK-UP VOLTAGE	0.85 - 1.1 V x U _c
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm ² 1 x (0,75 - 2,5) mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	1 x (18 - 14) 2 x (18 - 14)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

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