

Specifications



Eaton 005738

Eaton Moeller series T0 Control switch, 20 A, Rear mounting, 1 contact unit(s), Contacts: 2, Design: 15431

General specifications

PRODUCT NAME	Eaton Moeller® series T0 Control switch
CATALOG NUMBER	005738
MODEL CODE	T0-1-15431/XZ
EAN	4015080057383
PRODUCT LENGTH/DEPTH	48 mm
PRODUCT HEIGHT	48 mm
PRODUCT WIDTH	48 mm
PRODUCT WEIGHT	0.07 kg
CERTIFICATIONS	CE

Actuator

ACTUATOR TYPE	Toggle
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NUMBER OF SWITCH POSITIONS	2
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Contacts

CONTROL CIRCUIT RELIABILITY	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
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NUMBER OF CONTACTS	2
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	50 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
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AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
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CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
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Design verification

10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
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10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
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10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
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10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
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10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	UV resistance only in connection with protective shield.
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.

Electrical rating

RATED OPERATING VOLTAGE (UE) AT AC - MAX 690 V

RATED UNINTERRUPTED CURRENT (IU) 20 A

Features & functions

FITTED WITH: 0 (off) position

NUMBER OF POLES Single-pole

General information

DEGREE OF PROTECTION (FRONT SIDE)	IP00 NEMA Other
MOUNTING METHOD	Rear mounting
MOUNTING POSITION	As required
NUMBER OF CONTACT UNITS	1
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
SUITABLE FOR	Intermediate mounting Ground mounting Front mounting
SWITCHING ANGLE	45 °
TYPE	Control switch

Resources

BROCHURES	Brochure - T Rotary Cam switch and P Switch-disconnector
CATALOGUES	P Switch-disconnectors and T Rotary cam switches catalogue CA042001EN
DECLARATIONS OF CONFORMITY	eaton-step-switch-declaration-of-conformity-uk251327en.pdf eaton-step-switch-declaration-of-conformity-eu250844en.pdf
DRAWINGS	eaton-rotary-switches-front-plate-t0-changeover-switch-symbol-017.eps
ECAD MODEL	DA-CE-ETN.T0-1-15431_XZ
INSTALLATION VIDEOS	Eaton's P Switch-disconnectors used in a factory
MCAD MODEL	eaton-universal-control-switches-mcad-drawings-t0-xz-1.dwg DA-CS-t0_xz_1
WIRING DIAGRAMS	eaton-rotary-switches-switch-t0-changeover-switch-wiring-diagram.eps

Short-circuit rating

SHORT-CIRCUIT PROTECTION RATING	20 A gG/gL, Fuse, Contacts
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PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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