Eaton 046633

Eaton Moeller® series STI Control transformer, 0.16 kVA, Rated input voltage 400± 5 % V, Rated output voltage 230 V

PRODUCT NAME	Eaton Moeller® series STI Control transformer
CATALOG NUMBER	046633
PRODUCT LENGTH/DEPTH	97 mm
PRODUCT HEIGHT	91 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	2.459 kg
CERTIFICATIONS	IEC/EN 61558-2-2/2-4/2-6 UL 5085-2 CE VDE 0570 Part 2-2 UL5085-1 CSA-C22.2 No. 66.1-06 CSA-C22.2 No. 66.2-06 UL File No.: E167225 UL Category Control No.: XPTQ2, XPTQ8 UL report applies to both US and Canada CSA-C22.2 No. 66 UL Recognized VDE 0570 Part 2-6 (safety transformers) VDE 0570 Part 2-4 (isolating transformer) IEC/EN 61558-2-2 Certified by UL for use in Canada IEC/EN 60204-1, ÖVE-EN 13 UL 506 VDE 0113, VDE 0100 Part 410
CATALOG NOTES	Electrical characteristics: all details for no-load loss, short-circuit loss (copper losses), short-circuit voltage and efficiency values relate to a temperature of 20 °C

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TYPE	Single-phase control, isolating and safety transformer
FEATURES	Reinforced insulation Separate windings Fully Vacuum-impregnated
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.

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DECLARATIONS OF CONFORMITY	eaton-control-transformer-declaration-of-conformity-uk251060en.pdf
SYSTEM OVERVIEW	eaton-general-diagram-sti-control-transformer-explosion-drawing.eps
□□	eaton-general-transformer-sti-control-transformer-dimensions-003.eps

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.
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
APPARENT POWER	160 VA
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
NO-LOAD LOSSES	9 W
PRIMARY VOLTAGE 1 - MAX	400 V
PRIMARY VOLTAGE 1 - MIN	400 V
PRIMARY VOLTAGE 10 - MAX	0 V
PRIMARY VOLTAGE 10 - MIN	0 V
PRIMARY VOLTAGE 2 - MAX	0 V
PRIMARY VOLTAGE 2 - MIN	0 V
PRIMARY VOLTAGE 3 -	0 V

MAX	
PRIMARY VOLTAGE 3 - MIN	0 V
PRIMARY VOLTAGE 4 - MAX	0 V
PRIMARY VOLTAGE 4 - MIN	0 V
PRIMARY VOLTAGE 5 - MAX	0 V
PRIMARY VOLTAGE 5 - MIN	0 V
PRIMARY VOLTAGE 6 - MAX	0 V
BUILT AS	Safety transformer Isolating transformer
CONDUCTOR MATERIAL	Copper
DEGREE OF PROTECTION	IP00
CONNECTION LUG	Yes for > 115 A
CONNECTION TYPE	Terminations, < 115 A
DUTY FACTOR	100 %
INSULATION MATERIAL TYPE (IEC 85)	B
EFFICIENCY	88 %
RELATIVE SHORT-CIRCUIT VOLTAGE	6.6 %
SUITABLE FOR	Branch circuits, (UL/CSA)
INSULATION CLASS	B
PRIMARY TAPPING	± 5 %
PRIMARY VOLTAGE 6 - MIN	0 V
PRIMARY VOLTAGE 7 - MAX	0 V
PRIMARY VOLTAGE 7 - MIN	0 V
PRIMARY VOLTAGE 8 - MAX	0 V
PRIMARY VOLTAGE 8 - MIN	0 V
PRIMARY VOLTAGE 9 - MAX	0 V
PRIMARY VOLTAGE 9 - MIN	0 V
RATED FREQUENCY - MAX	60 Hz
RATED FREQUENCY - MIN	50 Hz
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A

RATED POWER	0.16 VA
SECONDARY VOLTAGE 1 - MAX	230 V
SECONDARY VOLTAGE 1 - MIN	230 V
SECONDARY VOLTAGE 10 - MAX	0 V
SECONDARY VOLTAGE 10 - MIN	0 V
SECONDARY VOLTAGE 2 - MAX	0 V
SECONDARY VOLTAGE 2 - MIN	0 V
SECONDARY VOLTAGE 3 - MAX	0 V
SECONDARY VOLTAGE 3 - MIN	0 V
SECONDARY VOLTAGE 4 - MAX	0 V
PRODUCT CATEGORY	Single-phase control transformers ST
SECONDARY VOLTAGE 4 - MIN	0 V
SECONDARY VOLTAGE 5 - MAX	0 V
SECONDARY VOLTAGE 5 - MIN	0 V
SECONDARY VOLTAGE 6 - MAX	0 V
SECONDARY VOLTAGE 6 - MIN	0 V
SECONDARY VOLTAGE 7 - MAX	0 V
SECONDARY VOLTAGE 7 - MIN	0 V
SECONDARY VOLTAGE 8 - MAX	0 V
SECONDARY VOLTAGE 8 - MIN	0 V
SECONDARY VOLTAGE 9 - MAX	0 V
SECONDARY VOLTAGE 9 - MIN	0 V
SHORT-CIRCUIT LOSSES	12 W
SHORT-TIME RATING	0.36 kVA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	21 W

VOLTAGE RATING - MAX	600 V
POWER CONSUMPTION IN STANDBY MODE	33 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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