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Eaton 204996

Eaton Moeller® series STN Control transformer, 2.5 kVA, Rated input voltage 100 – 690 ± 5 % V, Rated output voltage 12 – 250 V

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PRODUCT NAME	Eaton Moeller® series STN Control transformer
CATALOG NUMBER	204996
PRODUCT LENGTH/DEPTH	185 mm
PRODUCT HEIGHT	260 mm
PRODUCT WIDTH	230 mm
PRODUCT WEIGHT	20 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	EN 60204-1 VDE UL Category Control No.: XPTQ2, XPTQ8 UL File No.: E167225 CE CSA-C22.2 No. 66.2-06 IEC/EN 60204-1, ÖVE-EN 13 IEC/EN 61558-2-2 UL report applies to both US and Canada UL 5085-2 VDE 0570 Part 2-2 Certified by UL for use in Canada CSA-C22.2 No. 66.1-06 UL Recognized UL5085-1 CSA-C22.2 No. 66 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 STN control transformers
FEATURES	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.
10.3 DEGREE OF PROTECTION OF	Does not apply, since the entire switchgear needs to

DECLARATIONS OF CONFORMITY	eaton-control-transformer-declaration-of-conformity-uk251061en.pdf
ECAD MODEL	ETN.STN2.5(x x).edz
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ASSEMBLIES	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.
FREQUENCY RATING	50-60 Hz
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
APPARENT POWER	2500 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	21 W
PRIMARY VOLTAGE 1 - MAX	690 V
PRIMARY VOLTAGE 1 - MIN	100 V
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	95 %

RELATIVE SHORT-CIRCUIT VOLTAGE	2.4 %
SUITABLE FOR	Branch circuits, (UL/CSA)
INSULATION CLASS	B
PRIMARY TAPPING	± 5 %
RATED FREQUENCY - MAX	60 Hz
RATED FREQUENCY - MIN	50 Hz
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
RATED POWER	2.5 VA
SECONDARY VOLTAGE 1 - MAX	250 V
SECONDARY VOLTAGE 1 - MIN	12 V
PRODUCT CATEGORY	Single-phase control transformers ST
SHORT-CIRCUIT LOSSES	145 W
SHORT-TIME RATING	7.24 kVA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	166 W
VOLTAGE RATING - MAX	600 V
POWER CONSUMPTION IN STANDBY MODE	7 W

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