

# Specifications



## Eaton 036396

Eaton Moeller® series STI Control transformer, 0.8 kVA, Rated input voltage 230± 5 % V, Rated output voltage 24 V

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series STI Control transformer
<b>CATALOG NUMBER</b>	036396
<b>EAN</b>	4015080363965
<b>PRODUCT LENGTH/DEPTH</b>	138 mm
<b>PRODUCT HEIGHT</b>	157 mm
<b>PRODUCT WIDTH</b>	151 mm
<b>PRODUCT WEIGHT</b>	11.637 kg
<b>CERTIFICATIONS</b>	VDE 0570 Part 2-2 VDE 0570 Part 2-4 (isolating transformer) CSA-C22.2 No. 66 CSA-C22.2 No. 66.1-06 IEC/EN 61558-2-2/2-4/2-6 UL 5085-2 UL File No.: E167225 UL Category Control No.: XPTQ2, XPTQ8 VDE 0570 Part 2-6 (safety transformers) IEC/EN 61558-2-2 CSA-C22.2 No. 66.2-06 UL Recognized VDE 0113, VDE 0100 Part 410 UL5085-1 IEC/EN 60204-1, ÖVE-EN 13 UL 506 UL report applies to both US and Canada CE Certified by UL for use in Canada
<b>CATALOG NOTES</b>	Electrical characteristics: all details for no-load loss, short-circuit loss (copper

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losses), short-circuit  
voltage and efficiency  
values relate to a  
temperature of 20 °C

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**MODEL CODE**

ST10,8(230/24)

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## Product specifications

<b>TYPE</b>	Single-phase control, isolating and safety transformer
<b>FEATURES</b>	Fully Vacuum-impregnated Reinforced insulation Separate windings
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to

## Resources

<b>APPLICATION NOTES</b>	<a href="#">eaton-transformer-stz-sti-stn-dtz-uti-ap009002-en-us.pdf</a>
<b>BROCHURES</b>	<a href="#">eaton-transformers-brochure-br009002en-en-us.pdf</a>
<b>CATALOGUES</b>	<a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">DA-DC-00004421.pdf</a> <a href="#">DA-DC-00004447.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-general-transformer-sti-control-transformer-dimensions-014.eps</a>
<b>ECAD MODEL</b>	<a href="#">eaton-sti-control-transformer-eplan-036396.edz</a>
<b>MCAD MODEL</b>	<a href="#">DA-CD-sti0_8_24</a> <a href="#">DA-CS-sti0_8_24</a>
<b>SYSTEM OVERVIEW</b>	<a href="#">eaton-general-diagram-sti-control-transformer-explosion-drawing.eps</a>

	be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	40 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>APPARENT POWER</b>	800 VA
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>NO-LOAD LOSSES</b>	17 W
<b>PRIMARY VOLTAGE 1 - MAX</b>	230 V
<b>PRIMARY VOLTAGE 1 - MIN</b>	230 V
<b>PRIMARY VOLTAGE 10 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 10 -</b>	0 V

<b>MIN</b>	
<b>PRIMARY VOLTAGE 2 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 2 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 3 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 3 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 4 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 4 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 5 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 5 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 6 - MAX</b>	0 V
<b>BUILT AS</b>	Safety transformer Isolating transformer
<b>CONDUCTOR MATERIAL</b>	Copper
<b>DEGREE OF PROTECTION</b>	IP00
<b>CONNECTION LUG</b>	Yes for > 115 A
<b>CONNECTION TYPE</b>	Terminations, < 115 A
<b>DUTY FACTOR</b>	100 %
<b>INSULATION MATERIAL TYPE (IEC 85)</b>	B
<b>EFFICIENCY</b>	95 %
<b>RELATIVE SHORT-CIRCUIT VOLTAGE</b>	3.2 %
<b>SUITABLE FOR</b>	Branch circuits, (UL/CSA)
<b>INSULATION CLASS</b>	B
<b>PRIMARY TAPPING</b>	± 5 %
<b>PRIMARY VOLTAGE 6 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 7 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 7 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 8 - MAX</b>	0 V
<b>PRIMARY VOLTAGE 8 - MIN</b>	0 V
<b>PRIMARY VOLTAGE 9 - MAX</b>	0 V

<b>PRIMARY VOLTAGE 9 - MIN</b>	0 V
<b>RATED FREQUENCY - MAX</b>	60 Hz
<b>RATED FREQUENCY - MIN</b>	50 Hz
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>RATED POWER</b>	0.8 VA
<b>SECONDARY VOLTAGE 1 - MAX</b>	24 V
<b>SECONDARY VOLTAGE 1 - MIN</b>	24 V
<b>SECONDARY VOLTAGE 10 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 10 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 2 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 2 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 3 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 3 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 4 - MAX</b>	0 V
<b>PRODUCT CATEGORY</b>	Single-phase control transformers ST
<b>SECONDARY VOLTAGE 4 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 5 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 5 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 6 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 6 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 7 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 7 - MIN</b>	0 V
<b>SECONDARY VOLTAGE 8 - MAX</b>	0 V
<b>SECONDARY VOLTAGE 8 - MIN</b>	0 V

SECONDARY VOLTAGE 9 - MAX	0 V
SECONDARY VOLTAGE 9 - MIN	0 V
SHORT-CIRCUIT LOSSES	25 W
SHORT-TIME RATING	2 kVA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	42 W
VOLTAGE RATING - MAX	600 V
POWER CONSUMPTION IN STANDBY MODE	11 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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