

Control transformer, 0.25 kVA, Rated input voltage 230± 5 % V, Rated output voltage 230 V



Part no. **STI0,25(230/230)
036400**

General specifications

Product name	Eaton Moeller® series STI Control transformer
Part no.	STI0,25(230/230)
EAN	4015080364009
Product Length/Depth	91 millimetre
Product height	112 millimetre
Product width	106 millimetre
Product weight	3.567 kilogram
Certifications	IEC/EN 60204-1, ÖVE-EN 13 UL Recognized CE VDE 0570 Part 2-2 IEC/EN 61558-2-2 UL report applies to both US and Canada CSA-C22.2 No. 66.1-06 UL5085-1 UL File No.: E167225 VDE 0113, VDE 0100 Part 410 CSA-C22.2 No. 66 VDE 0570 Part 2-4 (isolating transformer) UL 5085-2 CSA-C22.2 No. 66.2-06 VDE 0570 Part 2-6 (safety transformers) Certified by UL for use in Canada UL Category Control No.: XPTQ2, XPTQ8 UL 506 IEC/EN 61558-2-2/2-4/2-6
Product Tradename	STI
Product Type	Control transformer
Product Sub Type	None
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

Features & Functions

Features	Separate windings Reinforced insulation Fully Vacuum-impregnated
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General information

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Connection lug	Yes for > 115 A
Connection type	Terminations, < 115 A
Degree of protection	IP00
Duty factor	100 %
Insulation class	B
Primary tapping	± 5 %
Product category	Single-phase control transformers ST
Suitable for	Branch circuits, (UL/CSA)
Type	Single-phase control, isolating and safety transformer

Electrical rating

Efficiency	90 %
No-load losses	13 W
Rated frequency - min	50 Hz
Rated frequency - max	60 Hz
Rated power	0.25 V·A
Relative short-circuit voltage	5.1 %
Short-circuit losses	14 W

Short-time rating	0.6 kV·A
Voltage rating - max	600 V
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	27 W
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.
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.
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.

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / One-phase control transformer (EC002486)

Electric engineering, automation, process control engineering / Transformer, converter, coil / Control transformer / One-phase control transformer (ecl@ss10.0.1-27-03-13-02 [AAB620015])

Built as safety transformer	Yes
Built as isolating transformer	Yes
Built as energy saving transformer	No
Primary voltage 1	V 230 - 230
Primary voltage 2	V 0 - 0
Primary voltage 3	V 0 - 0
Primary voltage 4	V 0 - 0
Primary voltage 5	V 0 - 0
Primary voltage 6	V 0 - 0
Primary voltage 7	V 0 - 0
Primary voltage 8	V 0 - 0
Primary voltage 9	V 0 - 0
Primary voltage 10	V 0 - 0
Secondary voltage 1	V 230 - 230
Secondary voltage 2	V 0 - 0
Secondary voltage 3	V 0 - 0
Secondary voltage 4	V 0 - 0
Secondary voltage 5	V 0 - 0
Secondary voltage 6	V 0 - 0
Secondary voltage 7	V 0 - 0

Secondary voltage 8	V	0 - 0
Secondary voltage 9	V	0 - 0
Secondary voltage 10	V	0 - 0
Rated apparent power	VA	200
Type of insulation material according to IEC 85		B
Short-circuit-proof		No
Relative short circuit voltage	%	5.1
Width	mm	106
Height	mm	112
Depth	mm	91
Degree of protection (IP)		IP00
Ring core		No
Suitable for mounting on PCB		No
Modular version		No
Conductor material		Copper