DATASHEET - STN0,06(230/230)



Control transformer, 230 V, 0.06 kVA

Part no. STN0,06(230/230) Catalog No. 204934

Eaton Catalog No. STNP06-G2-G2



Delivery program

Product range		Single-phase control transformers ST
Basic function		Single-phase STN control transformers
Rated output voltage	V	230
Rated power	kVA	0.06
Terminal diagram / contact assignment		
Cu factor 0,20		

Technical data

Characteristics

Separate windings		•
Electrical characteristics		
Note		The following applies for the no-load loss, short-circuit loss (copper losses), short-circuit voltage and efficiency values: all details relate to a temperature of 20 $^{\circ}\text{C}$
No-load losses	W	7
Short-circuit losses	W	10

Design verification as per IEC/EN 61439

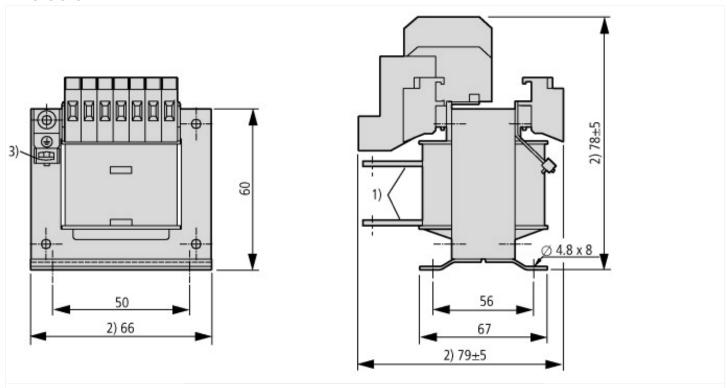
Design verification as per IEC/EN 61439			
Fechnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	17
Heat dissipation capacity	P _{diss}	W	0
EC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 7.0

Low-voltage industrial components (EG000017) / One-phase control transformer (EC002	486)			
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		No		
Built as isolating transformer		No		
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	60		
Type of insulation material acc. IEC 85		В		
Short-circuit-proof		No		
Relative short circuit voltage	%	11		
Width	mm	85		
Height	mm	91		
Depth	mm	79		
Degree of protection (IP)		IP00		
Ring core		No		
Suitable for mounting on PCB		No		
Modular version		No		
Conductor material		Copper		

Dimensions



- Connection lugs
 Maximum space requirement
 with STN0,06-02 ground connection at bottom