DATASHEET - STN1,0(400/230)



Control transformer, 1.0kVA, 1p, primary 400V, secondary 230V

Powering Business Worldwide*

Part no. STN1,0(400/230) Catalog No. 204992

Eaton Catalog No. STN001-I2-G2

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Product range		Single-phase control transformers ST
Basic function		Single-phase STN control transformers
Rated input voltage	V	400± 5 %
Rated output voltage	V	230
Rated power	kVA	1
Short-time rating	kVA	3.28
Terminal diagram / contact assignment		
Cu factor 2,00		

Technical data

General

Standards		
Built and tested to		IEC/EN 61558-2-2 VDE 0570 Part 2-2
Suitable for use to		IEC/EN 60204-1, ÖVE-EN 13 VDE 0113, VDE 0100 Part 410
Ambient temperature		-25 - 40
Characteristics		
Terminations		● (< 115 A)
Connection lugs		● (> 115 A)
Insulation class		В
Rated frequency	Hz	50 - 60
Primary tapping		± 5 %
Degree of Protection		IP00
Separate windings		•
Fully vacuum-impregnated		•
Rated duty factor	% D	F 100
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 $^{\circ}\text{C}$
Total weight	kg	12.4
No-load losses	W	33
Short-circuit losses	W	26
Shortcircuit voltage	%	2.2
Efficiency		0.94

Design verification as per IEC/EN 61439

Technical 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	59
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			

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Technical data ETIM 6.0

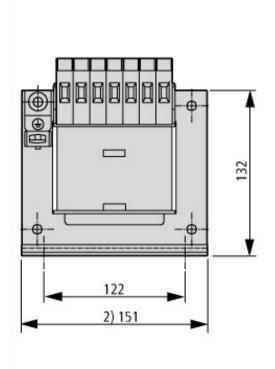
Technical data ETIM 6.0		
Low-voltage industrial components (EG000017) / One-phase control tr	ansformer (EC002486)	
Electric engineering, automation, process control engineering / Trans	former, converter, coil / Control trans	sformer / One-phase control transformer (ecl@ss8.1-27-03-13-02 [AAB620012])
Built as safety transformer		No
Built as isolating transformer		No
Built as energy saving transformer		No
Primary voltage 1	V	400 - 400
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	1000
Type of insulation material acc. IEC 85		В
Short-circuit-proof		No

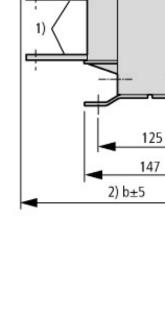
Relative short circuit voltage	%	2.2
Width	mm	151
Height	mm	211
Depth	mm	150
Degree of protection (IP)		IP00
Ring core		No
Suitable for mounting on PCB		No
Modular version		No

Approvals

Product Standards	UL 506; UL5085-1; UL 5085-2; CSA-C22.2 No. 66; CSA-C22.2 No. 66.1-06; CSA-C22.2 No. 66.2-06; IEC/EN 61558-2-2; CE marking
UL File No.	E167225
UL Category Control No.	XPTQ2, XPTQ8
CSA File No.	UL report applies to both US and Canada
CSA Class No.	-
North America Certification	UL recognized, certified by UL for use in Canada
Specially designed for North America	No
Suitable for	Branch circuits
Max. Voltage Rating	600 V AC
Degree of Protection	IEC: IP00, UL/CSA Type: -

Dimensions





2) c+5

Ø 7 × 15

	b	с
12 V	150	196
24 V	164	157
42 V	164	157
110 V	150	145
200/230 V	150	145
200,230 1	.50	143

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