DATASHEET - STZ0,25(*/*)



Control transformer, 0.25 kVA, Rated input voltage 50 – 950 ± 5 % V, Rated output voltage 12 – 1000 V



Part no. STZ0,25(*/*) Catalog No. 914765 **Alternate Catalog** No.

Delivery program

Product range		Single-phase control transformers ST
Basic function		Single-phase control, isolating and safety transformers STI, STZ
Rated input voltage	V	$50 - 950 \pm 5$ %
Rated output voltage	V	12 – 1000
Rated power	kVA	0.25
Short-time rating	kVA	0.6
Cu factor 0,80		

Notes

• Transformers with the rated output voltages ≤ 50 V can be used as safety transformers to IEC/EN 61558.

• UL/CSA only up to primary and secondary 600 V (incl. tapping).

When ordering, the type reference must include the following details:

STZ0,06(*/*)

1st wildcard ≙ Nominal input voltage

2nd wildcard ≙ Rated output voltage

Ordering example

- Desired part no. STZ0,06
- Desired rated input voltage 230 V
 Desired rated output voltage 12 V

The correct type reference is

STZ0,06(230/12)

Additional tappings -> 931897

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Technical data		
General		
Standards		
Built and tested to		IEC/EN 61558-2-2/2-4/2-6 VDE 0570 Part 2-2 VDE 0570 Part 2-6 (safety transformers) VDE 0570 Part 2-4 (isolating transformer)
Suitable for use to		IEC/EN 60204-1, ÖVE-EN 13 VDE 0113, VDE 0100 Part 410
Ambient temperature		-25 - 40
Characteristics		
Terminations		● (< 63 A)
Connection lugs		● (< 63 A)
Insulation class		В
Rated frequency	Hz	50 - 60
Primary tapping		± 5 %
Degree of Protection		IP00
Separate windings		•
Fully vacuum-impregnated		•
Reinforced insulation		•
Rated duty factor	% DF	100

Electrical characteristics

Note

The following applies for the no-load loss, short-circuit loss (copper losses), shortcircuit voltage and efficiency values: all details relate to a temperature of 20 °C

Total weight	kg	3.8
No-load losses	W	13
Short-circuit losses	W	14
Shortcircuit voltage	%	5.1
Efficiency		0.9

Design verification as per IEC/EN 61439

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	10.12 Electromagnetic compatibility			
	10.13 Mechanical function			

Technical data ETIM 7.0

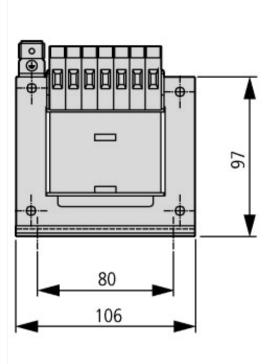
Low-voltage industrial components (EG000017) / One-phase control transformer (EC002486)

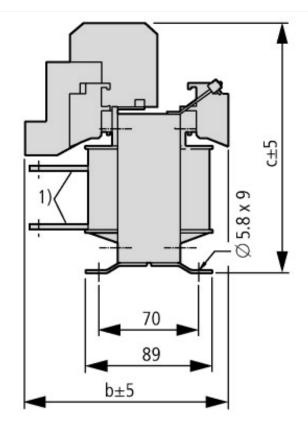
Electric engineering, automation, process control engineering / Transformer, converter, coil / Control transformer / One-phase control transformer (ecl@ss10.0.1-27-03-13-02 [AAB620015])		
Built as safety transformer		Yes
Built as isolating transformer		Yes
Built as energy saving transformer		No
Primary voltage 1	V	50 - 950
Primary voltage 2	V	50 - 950
Primary voltage 3	V	50 - 950
Primary voltage 4	V	50 - 950
Primary voltage 5	V	50 - 950
Primary voltage 6	V	50 - 950

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	12 - 1000
Secondary voltage 2	V	12 - 1000
Secondary voltage 3	V	12 - 1000
Secondary voltage 4	V	12 - 1000
Secondary voltage 5	V	12 - 1000
Secondary voltage 6	V	12 - 1000
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 acc. IEC 85		В
Short-circuit-proof		No
Relative short circuit voltage	%	5.1
Width	mm	106
Height	mm	124
Depth	mm	91
Degree of protection (IP)		IP00
Ring core		No
Suitable for mounting on PCB		No
Modular version		No
Conductor material		Copper

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.	ΧΡΤΩ2, ΧΡΤΩ8
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: -





	b	с
12 V	111	124
42 V	91	112
110 V	91	112
230 V	91	112

Connection lugs
 With STI/STZ0.06 ... 0.16 ground connection at bottom
 The higher rated operating voltage applies