DATASHEET - STN0,25(*/*)



Control transformer, 0.25 kVA, Rated input voltage 100 -690 ± 5 % V, Rated output voltage 12 – 250 V



Part no. STN0,25(*/*) 204979 Catalog No. **Alternate Catalog**

Delivery program

zemen, program		
Product range		Single-phase control transformers ST
Basic function		Single-phase STN control transformers
Rated input voltage	V	$100 - 690 \pm 5 \%$
Rated output voltage	V	12 – 250
Rated power	kVA	0.25
Short-time rating	kVA	0.44
Cu factor 0,65		

Notes

- The STN transformers are suitable for use in control circuits to VDE 0113 or IEC/EN 60204.
- . UL/CSA only up to primary and secondary 600 V (incl. tappings).
- . When ordering, the type reference must include the following details:

STN0,1(*/*)

1st wildcard ≙ Nominal input voltage

2nd wildcard ≙ Rated output voltage

Ordering example

- Desired part no.: STN0,1
 Desired rated input voltage 200 V
- Desired rated output voltage 18.5 V

The correct type reference is

STN0,1(200/18,5)

Transformer-protective circuit-breaker →#088907

Technical data

General

No-load losses

Short-circuit losses

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	H	z 50 - 60
Primary tapping		± 5 %
Degree of Protection		IP00
Separate windings		•
Fully vacuum-impregnated		•
Rated duty factor	%	DF 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	kç	2.9

W

W

9

21

Shortcircuit voltage	%	6.3
Efficiency		0.9

Design verification as per IEC/EN 61439

In	Α	0
P _{vid}	W	0
P _{vid}	W	0
P _{vs}	W	30
Pdies	W	0
uiss	°C	-25
		40
		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Meets the product standard's requirements.
		weets the product standard's requirements.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
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		Meets the product standard's requirements.
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		Does not apply, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
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		Is the panel builder's responsibility.
		Is the panel builder's responsibility.
		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
		Is the panel builder's responsibility. The specifications for the switch gear must be observed.
		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	P _{vid}	$\begin{array}{ccc} P_{vid} & & W \\ \\ P_{vid} & & W \\ \\ P_{vs} & & W \end{array}$

Technical data ETIM 7.0

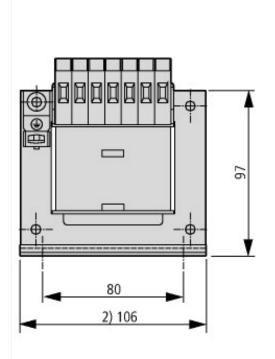
Low-voltage industrial components (EG000017) / One-phase control transformer (E	C002486)	
Electric engineering, automation, process control engineering / Transformer, conve	erter, coil / Control trans	former / One-phase control transformer (ecl@ss10.0.1-27-03-13-02 [AAB620015])
Built as safety transformer		No
Built as isolating transformer		No
Built as energy saving transformer		No
Primary voltage 1	V	100 - 690
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

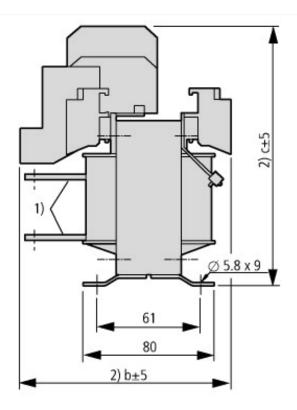
Drimon walkana 10	V	0 - 0
Primary voltage 10		
Secondary voltage 1	V	12 - 250
Secondary voltage 2	V	0 - 0
Secondary voltage 3	V	0 - 0
Secondary voltage 4	V	0 - 0
Secondary voltage 5	V	0 - 0
Secondary voltage 6	V	0 - 0
Secondary voltage 7	V	0 - 0
Secondary voltage 8	V	0 - 0
Secondary voltage 9	V	0 - 0
Secondary voltage 10	V	0 - 0
Rated apparent power	VA	200
Type of insulation material acc. IEC 85		В
Short-circuit-proof		No
Relative short circuit voltage	%	6.3
Width	mm	106
Height	mm	124
Depth	mm	83
Degree of protection (IP)		IP00
Ring core		No
Suitable for mounting on PCB		No
Modular version		No
Conductor material		Copper

Approvals

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
E167225
XPTQ2, XPTQ8
UL report applies to both US and Canada
-
UL recognized, certified by UL for use in Canada
No
Branch circuits
600 V AC
IEC: IP00, UL/CSA Type: -

Dimensions





	b	С
12 V	103	121
24 V	83	112
42 V	83	112
110 V	82	112
200/230 V	82	112

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