Control- and safety isolating transformer

USTE 400/2x12

Picture shows USTE 1000/2x115

Advantages

- Universal input voltages 208 to 600 Vac
- Reduced inrush current
- High power density due to a compact construction design
- Very good corrosion protection and low noise due to vacuum impregnation
- Fast installation because of the use of cage-clamp terminals
- Contact protected screw connection terminals complying with UVV BGV A3
- Simple mounting due to robust metal footplate with oval slots
- DIN rail clamp included up to 250 VA

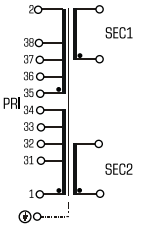
Applications

As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer to supply control systems according to VDE 0113 is designed.

As an isolating transformer for the safe electrical isolation of the input and output sides. The transformer may be used to set up protective separation as a protective measure in accordance with VDE 0100.

As a safety isolating transformer for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

Sample application



Primary connection at 1-2

jumper position	primary voltage
34-35	600V
33-35	575V
32-35	550V
31-35	525V
34-36	500V
33-36	480V
32-36	460V
32-37	440V
31-37	415V
32-38	400V
31-38	380V
1-36 + 2-32	230V
1-37 + 2-31	208V

Standards

Control transformer
to: VDE 0570 Teil 2-2, DIN EN 61558-2-2, EN 61558-2-2, IEC 61558-2-2, UL 5085-1/-2, CSA 22.2 No.66
Safety isolating transformer
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6, UL 5085-1/-2, CSA 22.2 No.66

Approvals

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block.eu

Control- and safety isolating transformer
USTE 400/2x12

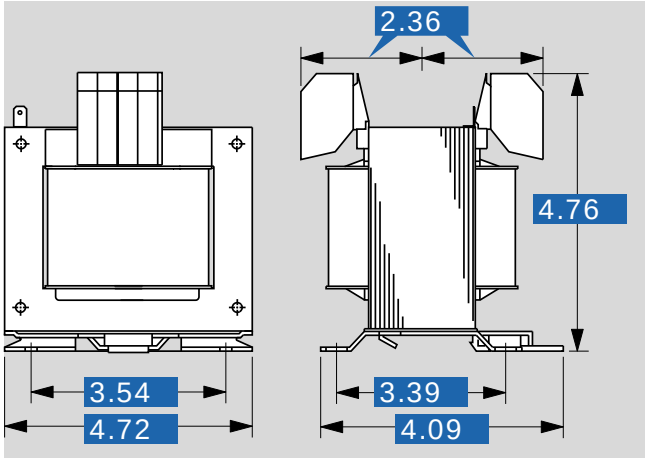
Electrical data

Type	USTE 400/2x12
Input	
Rated input voltage	208 Vac/ 230 Vac/ 380 Vac/ 400 Vac/ 415 Vac/ 440 Vac/ 460 Vac/ 480 Vac/ 500 Vac/ 525 Vac/ 550 Vac/ 575 Vac/ 600 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 12 Vac
Rated power VDE (DB cos phi=1)	400 VA
Rated power VDE (KB cos phi=0.5)	1,440 VA
No-load voltage (app. x factor)	1.05
Efficiency	92 %
Standards	
Classification	Control- and safety isolating transformer
Approvals	
Approvals	cURus
Environment	
Ambient temperature max.	104.0 °F
Type of cooling	self-cooling
Safety and protection	
Type	Open type
Insulation class	VDE=B, UL=class 130
Protection index	IP 00
Safety class (prepared)	I
Short circuit strength	non-short-circuit proof
PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set)	
Setting range 208 - 230 Vac	1.60 - 2.50 A
Setting value 208 - 230 Vac	2.1 A
Setting range 380 - 415 Vac	1.00 - 1.60 A
Setting value 380 - 415 Vac	1.1 A
Setting range 440 +20 Vac	1.00 - 1.60 A
Setting value 440 +20 Vac	1 A
Setting range 500 -20/+25 Vac	0.63 - 1.00 A
Setting value 500 -20/+25 Vac	0.9 A
Setting range 575 ±25 Vac	0.63 - 1.00 A
Setting value 575 ±25 Vac	0.81 A
Order numbers	
Order Number	**USTE 400/2x12**

Mechanical data

Type	USTE 400/2x12
Terminal and mounting	
Fixing method	Base plate
Fixing screws	M5
Terminals	Spring terminals, PE 6.3 x 0.8
Measures and weights	
Weight	11.68 lbs

Dimensions in inch



Subject to change.