

# Control- and safety isolating transformer

## USTE 630/2x12



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 BLOCK IMPEX vacuum impregnation
Fast installation because of the use of push-in 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 is designed to supply control systems according to EN 60204.

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
	SEC1	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 Teil 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



UL 5085-1/-2, CSA 22.2 No.66

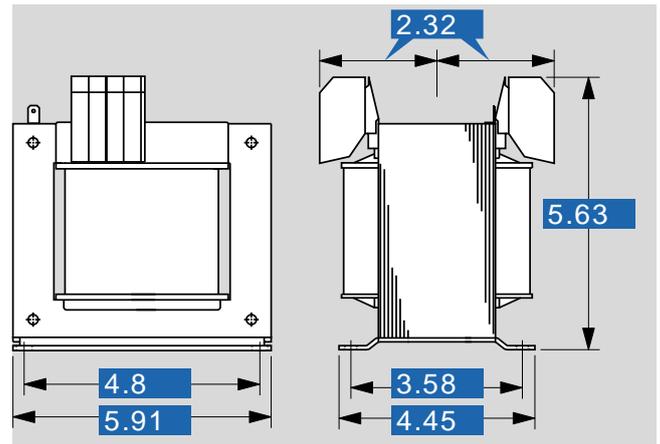


# Control- and safety isolating transformer

## USTE 630/2x12

Type		USTE 630/2x12
<b>Electrical data</b>	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)	630 VA
	Rated power VDE (KB cos phi=0.5)	2,350 VA
	No-load voltage (app. x factor)	1.03
	Efficiency	93 %
	Standards	
	Classification	Control- and safety isolating transformer
	Approvals	
	Approvals	cULus
	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 I <sub>rated</sub> related to set)		
Setting range 208 - 230 Vac	2.50 - 4.00 A	
Setting value 208 - 230 Vac	3.2 A	
Setting range 380 - 415 Vac	1.60 - 2.50 A	
Setting value 380 - 415 Vac	1.7 A	
Setting range 440 +20 Vac	1.00 - 1.60 A	
Setting value 440 +20 Vac	1.5 A	
Setting range 500 -20/+25 Vac	1.00 - 1.60 A	
Setting value 500 -20/+25 Vac	1.3 A	
Setting range 575 ±25 Vac	1.00 - 1.60 A	
Setting value 575 ±25 Vac	1.2 A	
Order numbers		
<b>Order Number</b>	<b>USTE 630/2x12</b>	

Type		USTE 630/2x12
<b>Mechanical data</b>	Terminal and mounting	
	Fixing method	Base plate
	Fixing screws	M6
	Terminals Input	push-in terminals, 4 mm <sup>2</sup>
Terminals Output	push-in terminals, 4 mm <sup>2</sup>	
Connection type	Tab connector, 6.3 x 0.8 mm	
Measures and weights		
Weight	17.42 lbs	
Dimensions in inch		



Subject to change.