

Control- and safety isolating transformer STEU 500/24



Picture shows STEU 160/23

Advantages

Dual input voltage 230 and 400 Vac
Very good switch-on behaviour thanks to reduced starting currents
High power density due to a compact construction design
Primary side ± 15 V tapplings for voltage adjustment
Very good corrosion protection and low noise thanks to vacuum impregnation
Quick to cable up thanks to the use of spring-clamp terminals
Contact protected screw connection terminals complying with UVV BGV A3
Simple mounting thanks to robust metal footplate with oval slots
Up to 250 VA with combination footplate for bolted and rail mounting

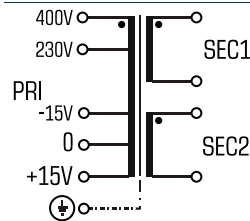
Applications

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 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



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



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

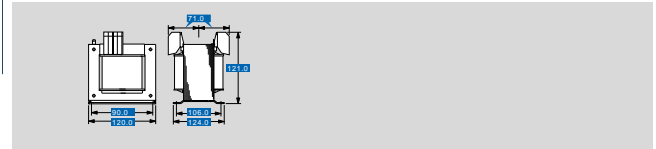


Control- and safety isolating transformer STEU 500/24

Type		STEU 500/24
Electrical data	Input	
	Rated input voltage	230/400 Vac
	Tappings Input	±15 V
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 12 Vac
	Rated power VDE (DB cos phi=1)	500 VA
	Rated power VDE (KB cos phi=0.5)	2.000 VA
	No-load voltage (app. x factor)	1.04
	Efficiency	92.0 %
	Standards	
	Classification	Control- and safety isolating transformer
	Approvals	
	Approvals	cURus
	Environment	
	Ambient temperature max.	40 °C
	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 _{rated} related to set)	
	Setting range 230 ±15 Vac	1.60 - 2.50 A
Setting value 230 ±15 Vac	2.40 A	
Setting range 400 ±15 Vac	1.00 - 1.60 A	
Setting value 400 ±15 Vac	1.40 A	
Order numbers		
Order Number	STEU 500/24	

Type		STEU 500/24
Terminal and mounting	Fixing method	Base plate
	Fixing screws	M5
	Terminals	Spring terminal, PE 6.3 x 0.8
Measures and weights		
Weight		7.7 kg

30 Mechanical data



Subject to change.