Control- and isolating transformer

STEU 100/48



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 tappings for voltage adjustment
- Very good corrosion protection and low noise thanks to BLOCK IMPEX vacuum impregnation
- Quick to cable up thanks to the use of push-in 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

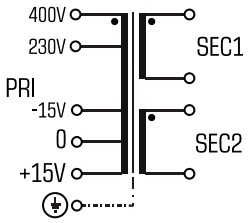
Applications

As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer 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 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
Isolating transformer
to: VDE 0570 Part 2-4, DIN EN 61558-2-4, EN 61558-2-4, IEC 61558-2-4, UL 5085-1/-2, CSA 22.2 No.66

Approvals

BLOCK Transformatoren-Elektronik GmbH • Phone +49 4231 678-0 • info@block.eu

block.eu



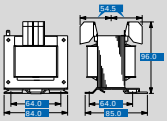
Control- and isolating transformer
STEU 100/48

Electrical data

Type	STEU 100/48
Input	
Rated input voltage	230/400 Vac
Tappings Input	±15 V
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 24 Vac
Rated power VDE (DB cos phi=1)	100 VA
Rated power VDE (KB cos phi=0.5)	310 VA
No-load voltage (app. x factor)	1.07
Efficiency	86.0 %
Standards	
Classification	Control- and 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 Irated related to set)	
Setting range 230 ±15 Vac	0.40 - 0.63 A
Setting value 230 ±15 Vac	0.50 A
Setting range 400 ±15 Vac	0.25 - 0.40 A
Setting value 400 ±15 Vac	0.29 A
Order numbers	
Order Number	**STEU 100/48**

Mechanical data

Type	STEU 100/48
Terminal and mounting	
Fixing method	Dual purpose base plate also for installation on mounting rails
Fixing screws	M4
Terminals Input	push-in terminals, 4 mm²
Terminals Output	push-in terminals, 4 mm²
Terminals PE	Tab connector, 6.3 x 0.8 mm
Measures and weights	
Weight	2.1 kg



Subject to change.