



Automatización Eléctrica

Especialistas en Automatización

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Control- and isolating transformer **STEU 100/23**



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

Advantages

- Dual input voltage 230 and 400 Vac
- Very good switch-on behaviour thanks to reduced starting currents
- High performance for the volume thanks to compact design
- Primary side ± 15 V tappings for voltage adjustment

Very good corrosion protection and low noise thanks to $\ensuremath{\mathsf{BLOCKIMPEX}}$ 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

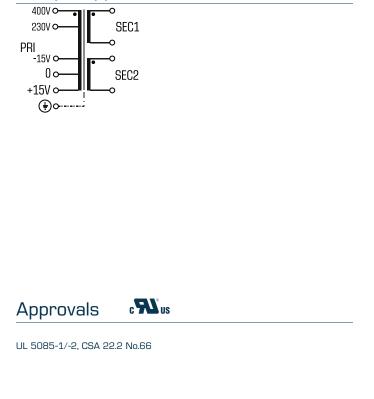
Applications

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







Control- and isolating transformer **STEU 100/23**

Туре	STEU 100/23		Туре		STEU 100/23
Input		0	Terminal and mounting		
Rated input voltage	230/400 Vac	· · ·			Dual purpose base plate also for installation on
Tappings Input	±15 V		Fixing method		mounting rails
Rated frequency	50 - 60 Hz	ta	Fixing screws		M4
Output		qa			Spring terminal, PE 6.3 x 0.8
Rated output voltage	2 x 115 Vac	a	Measures and weights		
Rated power VDE (DB cos phi=1)	100 VA	- <u>e</u>	Weight		2.10 kg
Rated power VDE (KB cos phi=0.5)	175 VA	ja			
No-load voltage (app. x factor)	1.07	5			54.5
Lefficiency	86 %	Š			04.0
Standards		_			
Classification	Control- and isolating transformer			Y	
Approvals					
Approvals	cURus		\$ \$		
Environment				5	
Ambient temperature max.	40 °C				96.0
Type of cooling	self-cooling				
Safety and protection					
Туре	Open type			1	
Class of Insulation System			ΨΨ		
	IP 00			–	
	I				
5			64.0 →		4 64.0 ►
PRI Fusing recommendation by circuit 20 x Irated related to set)	breaker with tripping characteristic type		◀ 84.0 ►		4 85.0 ►
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 100/23				
	Input Rated input voltage Tappings Input Rated frequency Output Rated output voltage Rated output voltage Rated output voltage Rated output voltage Rated power VDE (DB cos phi=1) Rated power VDE (KB cos phi=0.5) No-load voltage (app. x factor) Efficiency Standards Classification Approvals Environment Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit 20 x Irated related to set.) Setting range 230 ±15 Vac Setting range 400 ±15 Vac Setting range 400 ±15 Vac Setting value 400 ±15 Vac Setting value 400 ±15 Vac Setting value 400 ±15 Vac	InputRated input voltage230/400 VacTappings Input±15 VRated frequency50 - 60 HzOutputRated power VDE (DB cos phi=1)100 VARated power VDE (KB cos phi=0.5)175 VANo-load voltage [app. x factor]1.07Efficiency86 %StandardsControl- and isolating transformerApprovalsApprovalscURusEnvironment40 °CType of coolingself-coolingSafety and protectionIP 00Safety class (prepared)IShort circuit strengthnon-short-circuit proofPRI Fusing recommendation by circuit breaker with tripping characteristic type20 x Irated related to set)0.40 - 0.63 ASetting range 230 ±15 Vac0.40 - 0.63 ASetting range 400 ±15 Vac0.29 AOrder numbers	Input Rated input voltage 230/400 Vac Tappings Input ±15 V Rated frequency 50 - 60 Hz Output Rated output voltage 2 x 115 Vac Rated power VDE (DB cos phi=1) 100 VA Rated power VDE (MB cos phi=0.5) No-load voltage (lap. x factor) 1.07 Efficiency Bated power VDE (MB cos phi=0.5) 175 VA No-load voltage (lap. x factor) I.07 Efficiency 86 % Standards Classification Control- and isolating transformer Approvals Classification Classification Type of cooling self-cooling Safety and protection Type Open type Class of Insulation System VDE=B, UL=class 130 Protection index IP 00 Safety class (prepared) I Short circuit strength non-short-circuit proof PRI Fusing	Input Pated input voltage 230/400 Vac Tappings Input ±15 V Rated frequency 50 - 60 Hz Output Image: Control Co	Input Rated input voltage 230/400 Vac Tappings Input ±15 V Rated frequency Do E O Hz Output Rated requency Rated nover VDE UB cos phi=11 100 VA Rated power VDE UB cos phi=0.50 175 VA No-lead voltage tapp. x factor) 107 Efficiency 88 % Standards Control- and isolating transformer Approvals cuRus Environment Antionit tamperature max. Type of cooling Safety and protection 10 Type Open type Outs strength non-short-circuit proof PRI Fusing recommentation by circuit breaker with tripping characteristic type 20 x hrated related to set1 Setting range 200 ±15 Vac 0.40 - 0.63 A Setting range 200 ±15 Vac 0.25 0.40 A Setting range 400 ±15 Vac 0.25 0.40 A Setting value 0.215 Vac 0.25 0.40 A Setting value 0.15 Vac 0.25 0.40 A







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Product	Code	Reference	Product link
Control- and safety isolating- resp. isolating transformer Spring clamp terminals, dual purpose foot plate, PRI 230 and 400 Vac, SEC 63 - 2500 VA, 2 x 12 - 2 x 115 Vac	STEU10023	STEU 100/23	Buy on EAN