



At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. <u>HERE</u>



Advantages

Very good switch-on behaviour thanks to reduced starting currents

High performance for the volume thanks to compact design

Primary side ±5 % tappings for voltage adjustment

Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation

Contact protected screw connection terminals complying with UVV BGV A3

Simple mounting thanks to robust metal footplate with oval slots

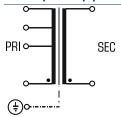
Applications

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



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





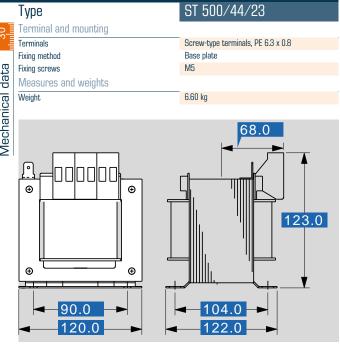
ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66





Control- and isolating transformer **ST 500/44/23**

Rated input voltage Tappings Input 15 Rated frequency Tappings Input 16 Rated frequency Tappings Input 17 Rated frequency Tappings Input 18 Rated output voltage Tated output voltage Tated power VDE (DB cos phi=1) Tated power VDE (IKB cos phi=0.5) Tated power VDE (ICB cos phi=0.	Type		ST 500/44/23
Rated input voltage Tappings Input Rated frequency Output 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 Approvals Approvals Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	5 Input		
Rated frequency Output Rated output voltage Rated power VDE (IDB cos phi=1) Rated power VDE (IDB cos phi=0.5) Rated power VDE (ICB cos phi=0.5) No-load voltage (app. x factor) Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers		voltage	440 Vac
Output 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 Approvals Environment Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index Protection index Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Tappings Inp	ut	±5 %
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Rated freque	ency	50 - 60 Hz
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Output		
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Rated outpu	t voltage	230 Vac
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Rated power		500 VA
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Rated power	VDE (KB cos phi=0.5)	1370 VA
Efficiency Standards Classification Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	No-load volta	age (app. x factor)	1.05
Classification Approvals Approvals Approvals CURus, ENEC 10 (VDE) Environment Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index Protection index Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Efficiency		91 %
Approvals 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 breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Standards	3	
Approvals Environment Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers CURUS, ENEC 10 IVDE 40 °C Self-cooling Self-cooling VDE-B, UL=class 105 IP 00 Inon-short-circuit proof PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting value Order numbers	Classification	ı	Control- and isolating transformer
Environment Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers 40 °C Self-cooling Self-cooling Self-cooling Self-cooling Self-cooling Self-cooling Self-cooling IP 00 IP 00 II non-short-circuit proof II non-short-circuit proof PRI Fusing recommendation by circuit breaker with tripping characteristic type	Approvals		
Ambient temperature max. Type of cooling Safety and protection Type Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers 40 °C self-cooling Self-cooling Self-cooling NDE type VDE=B, UL=class 105 IP 00 Inon-short-circuit proof Inon-short-circuit proof Inon-short-circuit proof Inon-short-circuit proof Inon-short-circuit proof PRI Fusing recommendation by circuit breaker with tripping characteristic type Inon-short-circuit proof Inon-short-circuit	Approvals		cURus, ENEC 10 (VDE)
Type of cooling Safety and protection Type Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers	Environme	ent	
Safety and protection Type Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers Open type	Ambient tem	perature max.	40 °C
Type Class of Insulation System VDE-B, UL-class 105 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 1.00 - 1.60 A Setting value 1.20 A Order numbers	Type of cooli	ng	self-cooling
Class of Insulation System Protection index IP 00 Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers VDE=B, UL=class 105 IP 00 In	Safety an	d protection	
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 1.00 - 1.60 A Setting value 1.20 A Order numbers	Туре		Open type
Safety class (prepared) Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x lrated related to set) Setting range Setting value Order numbers I non-short-circuit proof PRI Fusing recommendation by circuit breaker with tripping characteristic type 1.00 - 1.60 A 1.20 A	Class of Insu	llation System	VDE=B, UL=class 105
Short circuit strength PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers non-short-circuit proof 1.00 - 1.60 A 1.20 A	Protection in	ndex	IP 00
PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x Irated related to set) Setting range Setting value Order numbers Setting range 1.00 - 1.60 A 1.20 A	Safety class	(prepared)	1
20 x Irated related to set) Setting range	Short circuit	strength	non-short-circuit proof
Setting range 1.00 - 1.60 A Setting value 1.20 A Order numbers	PRI Fusin	g recommendation by circuit b	reaker with tripping characteristic type
Setting value 1.20 A Order numbers	20 x Irate	d related to set)	
Order numbers	0 0		
	•		1.20 A
Order Number ST 500/44/23	Order nur	mbers	
	Order Numl	per	ST 500/44/23









Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

Product	Code	Reference	Product link
Control- and safety isolating- resp. isolating transformer PRI 110 - 690 Vac SEC 20 - 2500 VA, 12 - 230 V	ST5004423	ST 500/44/23	Buy on EAN