Control- and isolating transformer

TT1 4-4-23



Picture shows TT1 20-4/23

Advantages

- Safe galvanic isolation
- Patented assembly technology
- Very good corrosion protection and low noise due to BLOCK IMPEX vacuum impregnation
- Primary side ±5 % taps for voltage adjustment
- Fixed, contact protected screw connection terminals complying with UVV BGV A3
- Multi-functional mounting brackets with 8 slots
- Space saving due to horizontal design
- Integrated crane eyes
- Non-slip terminals

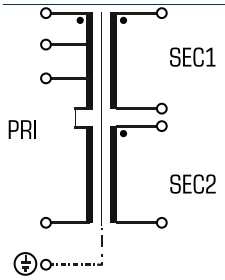
Applications

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 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 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

UL 5085, CSA 22.2 (E 103521)

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

block.eu



Control- and isolating transformer
TT1 4-4-23

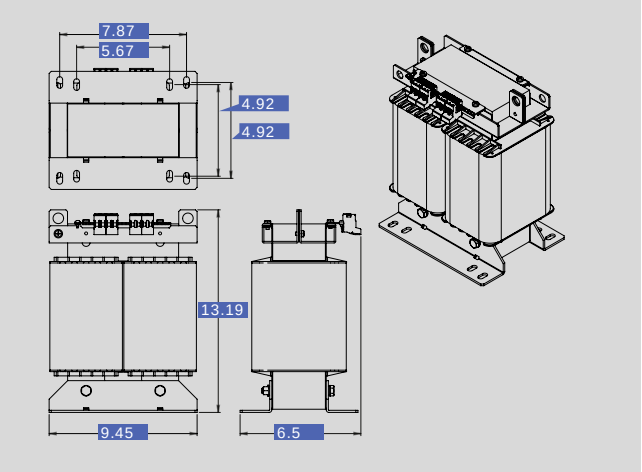
Electrical data

Type	TT1 4-4-23
Input	
Rated input current	11.1 A/10.6 A/10.0 Aac
Rated input voltage	380/400/420 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output current	17.4 Aac
Rated output voltage	2 x 115 Vac
Rated power VDE (DB cos phi=1)	4,000 VA
Rated power VDE (KB cos phi=0.5)	12,450 VA
Short circuit voltage uK	ca. 4.0%
Vector group	Iii0
Efficiency	95 %
Standards	
Classification	Control- and isolating transformer
Approvals	
Approvals	cURus
Environment	
Ambient temperature max.	104.0 °F
Type of cooling	AN
Safety and protection	
Insulation class	VDE=F, UL=class 155
Protection index	IP 00 IPXXB on request
Safety class (prepared)	I
Type	Open type
Short circuit strength	non-short-circuit proof
Order numbers	
Order Number	**TT1 4-4-23**

Mechanical data

Type	TT1 4-4-23
Terminal and mounting	
Fixing method	Fixing rail
Fixing screws	M10
Terminals Input	Screw clamp, 4 mm²
Terminals Output	Screw clamp, 4 mm²
Connection type	Screw-type terminal, 4 mm²
Measures and weights	
Core type	UI 180/63
Weight	68.34 lbs

Dimensions in inch



Subject to change.