



Compact 3-phase Rectifier Transformer Supplies

Safety transformers comp. VDE 0670 part 2-6, EN 61558-2-6, EN 61000-3-2

In general

Type T01 in modern industrial design, meets national, and international upcoming regulations.

It was designed bearing following aspects in mind:

- 3 power classes: 420VA, 900VA, 1500VA
- 3 input voltage versions: 3x230VAC, 3x400VAC, 3x480VAC
- optimal layout to reduce surface area
- simple mounting via open-ended slot
- compact construction and low weight
- high reliability and long service life
- low total losses

Design

Covered, stationary, for installation and set-up in dry rooms, separate windings, open-ended mounting slot integrated in cover. Connection to non tracking transformer terminals with screw connection. Terminals are protected against finger touch or contact with the back of the hand in compliance to accident prevention regulations (VBG 4).

Technical data	Input	T01-...-Multi	3x230/400/480 VAC, 50/60 Hz
		T01-...	3x380/400/420 VAC, 50/60 Hz
		T01-...-US	3x220/230/240 VAC, 50/60 Hz
		ext. fuse 2AT(420VA), 4AT(900VA), 8AT(1500VA)	
	Output	T01-72/420	72 VDC, 5.8A (100%ED), 10A (35%ED), 15A (15%ED)
		T01-72/900	72 VDC, 12A (100%ED), 20A (35%ED), 30A (15%ED)
		T01-72/1500	72 VDC, 20A (100%ED), 33A (35%ED), 50A (15%ED)
		Three-phase bridge rectifier, resistor, LED, PTC, universal blade fuse electrolyte capacitor, resistor ripple approx. 2%.	
		Test voltage between input and output circuit 4467V, 50 Hz	
		Max. power dissipation 45W(420VA), 75W(900VA), 110W(1500VA)	
	Design	IP-00, suitable for Installation up to protection rating IP 20, insulation class E, max. ambient temperature ta 40°C.	

Important: Do not use T01 supplies with series E100 or series E1000 Servo Controllers!
Use T01 only as Motor supplie for LinMot Servo Controllers E1100/B1100 and E1001.

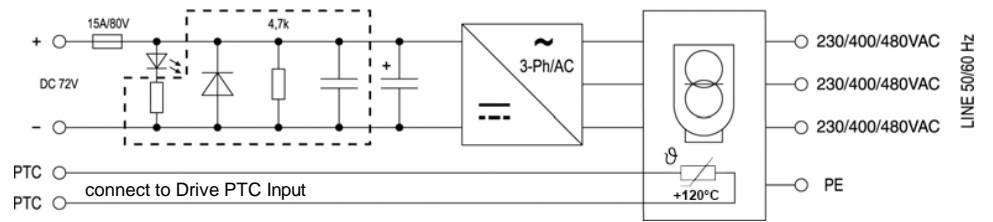
UL Information for the T01-72/...Multi and the T01-72/...US

Three-phase rectifier transformator. Safety transformes comp.
VDE 0570 part 2-6, EN 61558-2-6

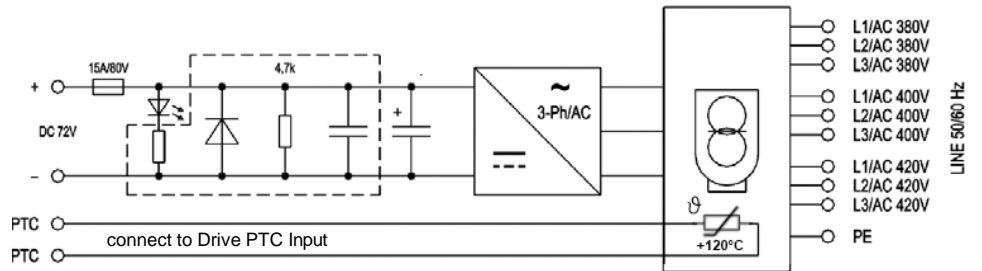
File-List

Component	Manufacturer	File No
fiberglas-bindery	CURS	E 178430
bobbin	Michael Spulenkörper	E 108984(M)
connecting terminals	Phönix intern.	E 60425(M)
copper	Schwering & Hasse	E 75926(M)
polyester-foil	Dupont Teijin Films	E 93687(R)
nomex 3-layer isol. paper	Dupont	E 34739(M)
label	Smith & McLaurin LTD	MH 18072(M)
diode bridge	Diotec / IXYS	E 175067 / E 72873

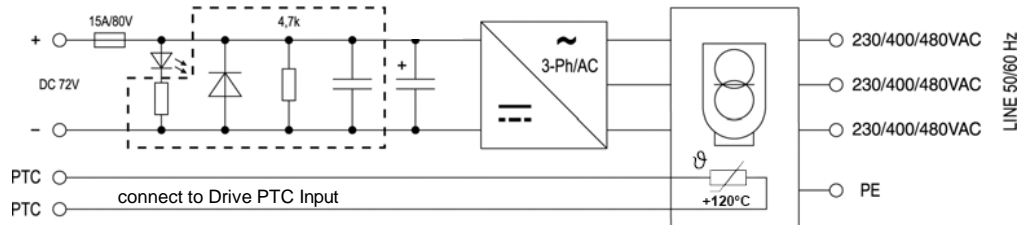
T01-72/...-Multi



T01-72/...

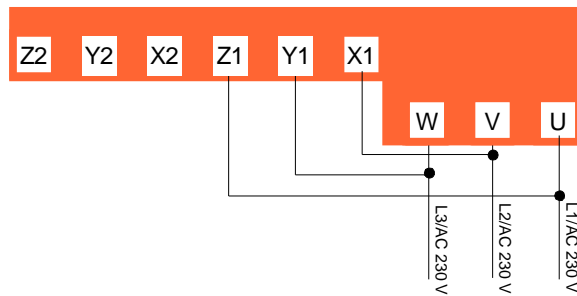


T01-72/...-US

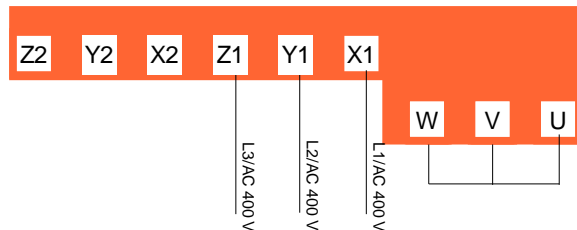


T01-72/...-Multi Connect Drawing

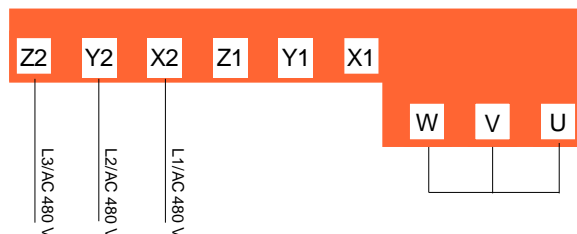
Voltage: 3x230V



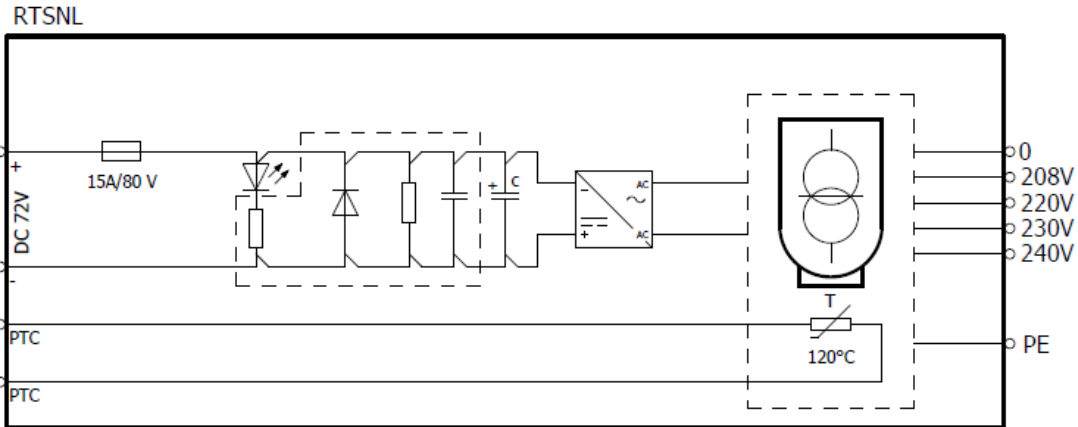
Voltage: 3x400V



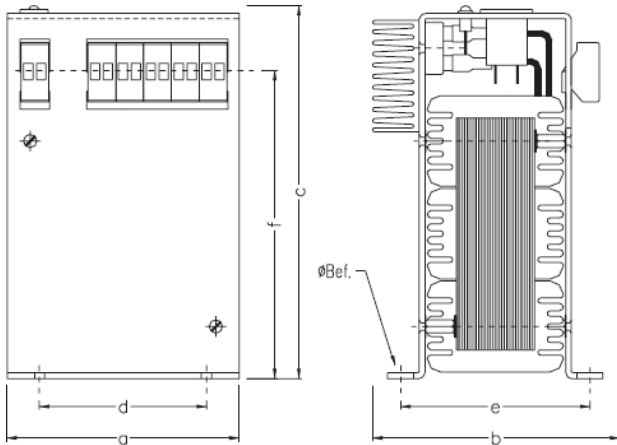
Voltage: 3x480V



Wiring diagram for 1-phase power supply unit T01-72/420 -1ph with item no. 0150-1859



Dimensions and Weight:



Dimensions	a	b	c	d	e	f	Bef.
T01-72/420...	185	125	200	150	112	165	M6
T01-72/900...	205	165	200	150	150	165	M8
T01-72/420-1ph	205	165	200	150	150	165	M8
T01-72/1500...	280	165	275	150	150	210	M8

Weight	kg
T01-72/420...	6.6
T01-72/900...	10.6
T01-72/1500...	17.0

All dimensions in mm

Ordering Information:

Item	Description	Part Number
T01-72/420-Multi	Transformer Supply 3x230/400/480 VAC, 50/60Hz, 420VA	0150-1869
T01-72/420	Transformer Supply 3x380/400/420 VAC, 50/60Hz, 420VA	0150-1966
T01-72/420-US	Transformer Supply 3x220/230/240 VAC, 50/60Hz, 420VA	0150-1967
T01-72/420-1ph	Transformer Supply 1x208/220/230/240VAC, 50/60Hz, 420VA	0150-1859
T01-72/900-Multi	Transformer Supply 3x230/400/480 VAC, 50/60Hz, 900VA	0150-1870
T01-72/900	Transformer Supply 3x380/400/420 VAC, 50/60Hz, 900VA	0150-1842
T01-72/900-US	Transformer Supply 3x220/230/240 VAC, 50/60Hz, 900VA	0150-1843
T01-72/1500-Multi	Transformer Supply 3x230/400/480 VAC, 50/60Hz, 1500VA	0150-1871
T01-72/1500	Transformer Supply 3x380/400/420 VAC, 50/60Hz, 1500VA	0150-1844
T01-72/1500-US	Transformer Supply 3x220/230/240 VAC, 50/60Hz, 1500VA	0150-1845

Declaration of Conformity and CE-marking

Wir
We
Nous

NTI AG
Bodenaeckerstrasse 2
8957 Spreitenbach

erklären in alleiniger Verantwortung, dass das Produkt
declare under our sole responsibility that the product
declarons sous notre seule responsabilité que le produit

Product	Item-No.
T01-72/420-Multi	0150-1869 Three phase – safety transformer
T01-72/900-Multi	0150-1870 Three phase – safety transformer
T01-72/1500-Multi	0150-1871 Three phase – safety transformer

konform ist mit den Anforderungen der Richtlinien,
is conform to the provisions of directives,
est conforme aux exigences des directives,

2014/35/EG (Low-voltage-directive)
2009/125/EG (Ecodesign-directive, acc. scope of the directive)
2011/65/EU + 2015/863/EU (RoHS-directive)

gestützt auf die folgenden Normen,
based on the following standards,
base aux normes suivants,

VDE 0570 Teil 2-6 / EN 61558-2-6

Jahr der CE-Kennzeichnung:
Year of CE marking:
Annee du marquage CE: **2024**

Spreitenbach, 28.06.2024



Dr.-Ing. Ronald Rohner
CEO NTI AG