



Technical datasheet

SPT20000/D/480



Brand	ERE
Article Number	SPT20000/D/480
EAN-code Barcode	5414503125767
Code	12576
Product type	Three-phase separating transformer
Primary Voltage	3x 480V Δ
Secondary Voltage	1 x 230V Δ -- 3x 400V Y+N
Power	20000 VA
Standards	EN 60726 EN 60076

General properties

Application	For industrial applications	Finishing	Vacuum- and pressure- varnish impregnated
Protection class	Prepared for protection class I	Maximum ambient temperature ta	40 °C
Degree of protection	IP00	Temperature class transfo	F

Electrical properties

Frequency	50-60 Hz	Efficiency η (regime)	96%
No-load Loss Po	135 W	Full-load losses Pcu (regime)	700 W
Dielectric Strenght PRI-SEC	4500 Vac	Insulation resistance	200 MΩ
Dielectric strength vs. frame	2500 Vac	Specific properties	Primary delta connected, secondary not connected
Voltage drop ΔU	3,4 %	Short-circuit voltage Ucc	-
Recommended fuse PRI	D40A/C80A (3x500V Δ)	Recommended fuse SEC	C50A (3x230V Δ) C32A (3x400V Y+N)

Mechanical properties

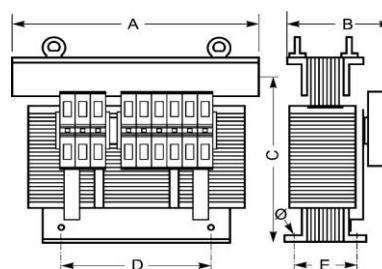
Primary connection	Nut fixing M8
Secondary connection	Nut fixing M8
Fixation	Supports with fixing holes

Protection case

Housing IP20	U 2222720
Housing IP23	K23EI400/006
Housing IP44	K44EI400/020

Dimensions/weight

Dimensions AxBxC	480x270x415 mm
Dimension D	320 mm
Dimension E	170 mm
Dimension Φ	11 mm
Weight	95 kg

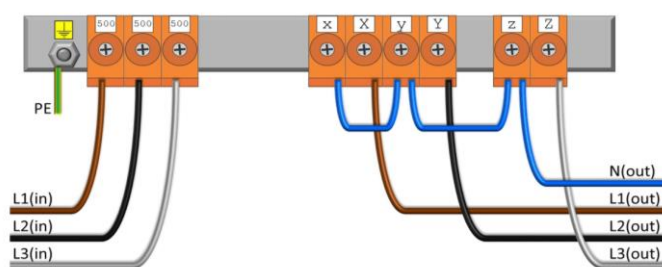
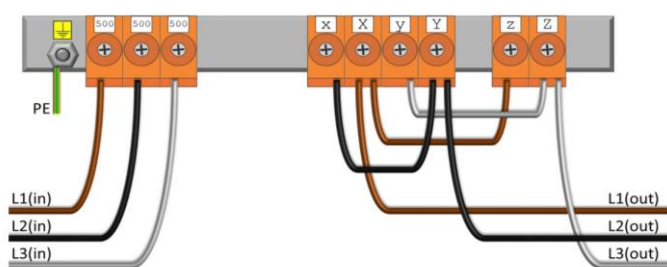
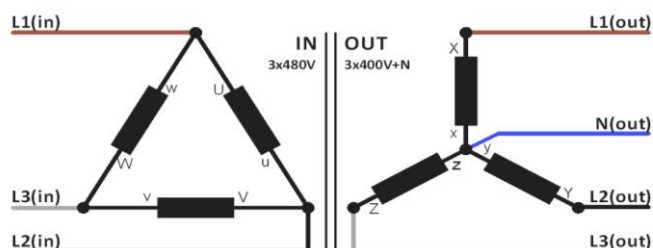
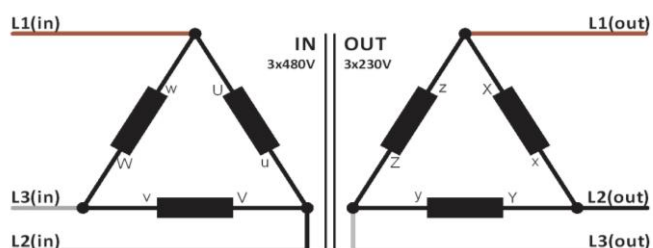




Connection diagram SPT20000/D/480

3x 480V Δ $\rightarrow$ 3x 230V Δ

3x 480V Δ $\rightarrow$ 3x 400V Y+N





Accessories SPT20000/D/480

IP20 housing

U 2222720



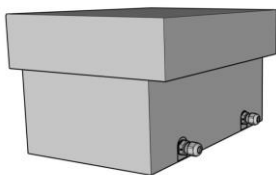
IP23 housing

K23EI400/006



IP44 housing

K44EI400/020



Vibration damper
(4 pieces per transformer)

Silent block 50



rev. 10.12.2024