



Technical datasheet

SPT100000/D/480



Brand	EREA
Article Number	SPT100000/D/480
EAN-code Barcode	5414503126443
Code	12644
Product type	Three-phase separating transformer
Primary Voltage	3x 480V Δ
Secondary Voltage	1 x 230V Δ -- 3x 400V Y+N
Power	100000 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)	98,3 %
No-load Loss Po	435 W	Full-load losses Pcu (regime)	1260 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	1,28 %	Short-circuit voltage Ucc	-
Recommended fuse PRI	MCCB200A (3x500V Δ)	Recommended fuse SEC	MCCB250A (3x230V Δ) MCCB160A (3x400V Y+N)

Mechanical properties

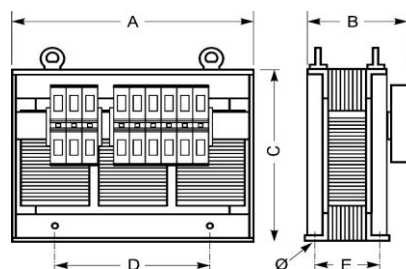
Primary connection	Nut fixing M12
Secondary connection	Nut fixing M12
Fixation	Supports with fixing holes

Protection case

Housing IP20	K20EI500/003
Housing IP23	K23EI500/006
Housing IP44	K44EI500/020

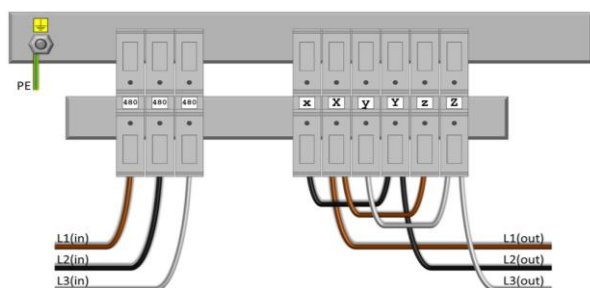
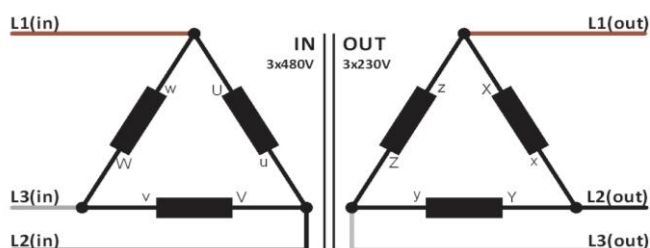
Dimensions/weight

Dimensions AxBxC	640x470x500 mm
Dimension D	400 mm
Dimension E	275 mm
Dimension Φ	11 mm
Weight	380 kg

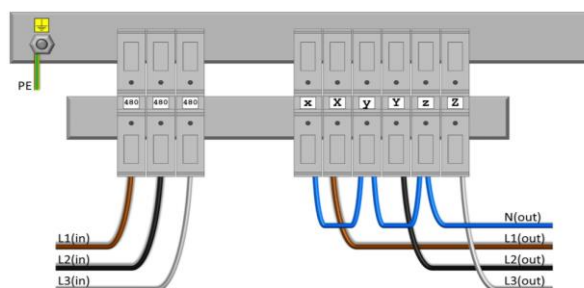
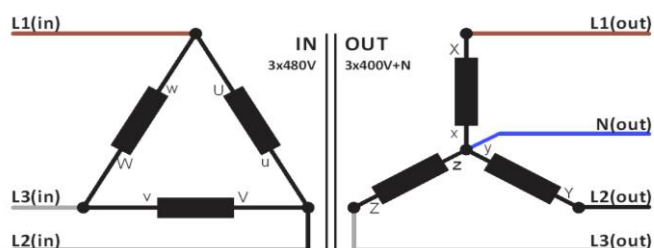


Connection diagram SPT100000/D/480

3x 480V Δ $\rightarrow$ 3x 230V Δ



3x 480V Δ $\rightarrow$ 3x 400V Y+N





Accessories SPT100000/D/480

IP20 housing

K20EI500/003



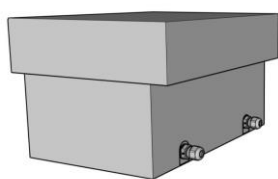
IP23 housing

K23EI500/006



IP44 housing

K44EI500/020



Vibration damper

(4 pieces per transformer)

Silent block 120



rev. 10.12.2024