



Technical datasheet

SPT80000/D/690



Brand	EREA
Article Number	SPT80000/D/690
EAN-code Barcode	5414503123787
Code	12378
Product type	Three-phase separating transformer
Primary Voltage	3x 690V Δ
Secondary Voltage	3 x 230V Δ -- 3x 400V Y+N
Power	80 000 VA
Standards	EN 60726 EN 60076

General properties

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

Electrical properties

Frequency	50-60 Hz	Efficiency	98,1 %
Po	405 W	Pcu	1080 W
Dielectric Strength	4500 Vac	Insulation resistance	200 MΩ
Dielectric strength referred to frame	2500 Vac	Specific property	Primary delta connected, secondary not connected
Voltage drop (dU%)	1,37 %	Short-circuit voltage (Ucc %)	-
Recommended fuse PRI	D125A (3x690V Δ)	Recommended fuse SEC	MCCB200A (3x230V Δ) C125A (3x400V Y+N)

Mechanical properties

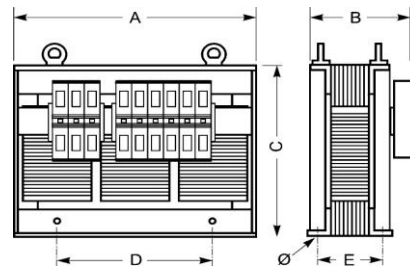
Primary connection	Nut fixing M12
Secondary connection	Nut fixing M12
Fixation	Supports with fixing holes

Protection case

Housing IP20	K20EI500/004
Housing IP23	K23EI500/004
Housing IP44	K44EI500/020

Dimensions/weight

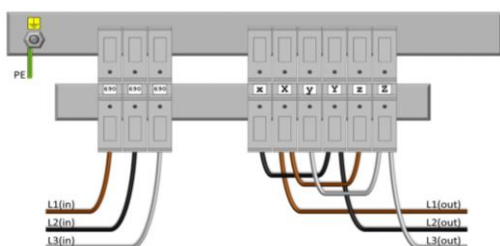
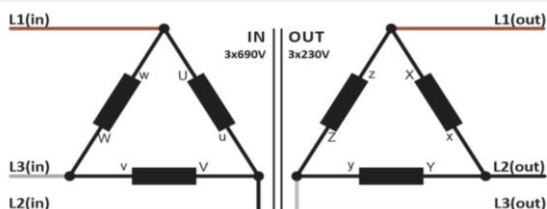
Dimensions AxBxC	640x430x500 mm
Dimension D	400 mm
Dimension E	245 mm
Dimension Φ	11 mm
Weight	320 kg



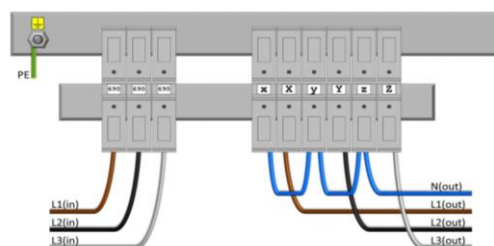
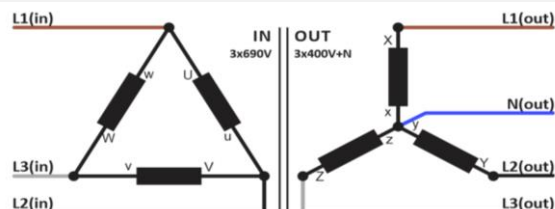


Connection diagram SPT80000/D/690

3x 690V Δ → 3 x 230V Δ



3x 690V Δ → 3x 400V Y+N





Accessories SPT80000/D/690

IP20 housing



K20EI500/004

IP23 housing



K23EI500/004

Vibration damper

(4 pieces needed per transformer)



Silent block 120



rev. 29.07.2021