



Technical datasheet

42SB2500



Brand	EREA
Article Number	42SB2500
EAN-code Barcode	5414503120878
Code	12087
Product type	Single-phase safety transformer
Primary Voltage	230-400V AC
Secondary Voltage	42 VAC
Power	2 500 VA
Standards	EN 61558-2-6 EN 60742

General properties

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

Electrical properties

Frequency	50-60 Hz	Efficiency	96 %
Po	69,9 W	Pcu	46,6 W
Dielectric Strength	4500 Vac	Insulation resistance	200 MΩ
Dielectric strength referred to frame	2500 Vac	Specific property	
Voltage drop (dU%)	1,8 %	Short-circuit voltage (Ucc %)	1,7 %
Recommended fuse PRI	D20A / aM20A (230V) D16A / aM16A (400V)	Recommended fuse SEC	C50A / gG50A

Mechanical properties

Primary connection	Screw terminals 4 mm ²
Secondary connection	Screw terminals 10 mm ²
Fixation	Angle sections with fixing holes

Protection case

Housing IP20	U 22757
Housing IP23	K23EI240/004
Housing IP44	K44UI240/010

Dimensions/weight

Dimensions AxBxC	240x160x225 mm
Dimension D	200 mm
Dimension E	137 mm
Dimension Φ	11 mm
Weight	33 kg

