



# Technical datasheet

## 42SB1000



Brand	EREA
Article Number	42SB1000
EAN-code Barcode	5414503120854
Code	12085
Product type	Single-phase safety transformer
Primary Voltage	230-400V AC
Secondary Voltage	42 VAC
Power	1 000 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	94 %
Po	31,9 W	Pcu	36,9 W
Dielectric Strength	4500 Vac	Insulation resistance	200 MΩ
Dielectric strength referred to frame	2500 Vac	Specific property	
Voltage drop (dU%)	3,5 %	Short-circuit voltage (Ucc %)	3,1 %
Recommended fuse PRI	C20A / D10A / aM10A (230V) C16A / D6A / aM6A (400V)	Recommended fuse SEC	C25A / gG25A

### Mechanical properties

Primary connection	Screw terminals 2,5 mm <sup>2</sup>	Housing IP20	U 22763
Secondary connection	Screw terminals 4 mm <sup>2</sup>	Housing IP23	K23EI180/002
Fixation	Angle sections with fixing holes	Housing IP44	K44UI180/010

### Protection case

### Dimensions/weight

Dimensions AxBxC	180x120x175 mm
Dimension D	150 mm
Dimension E	90 mm
Dimension Φ	9 mm
Weight	14 kg

