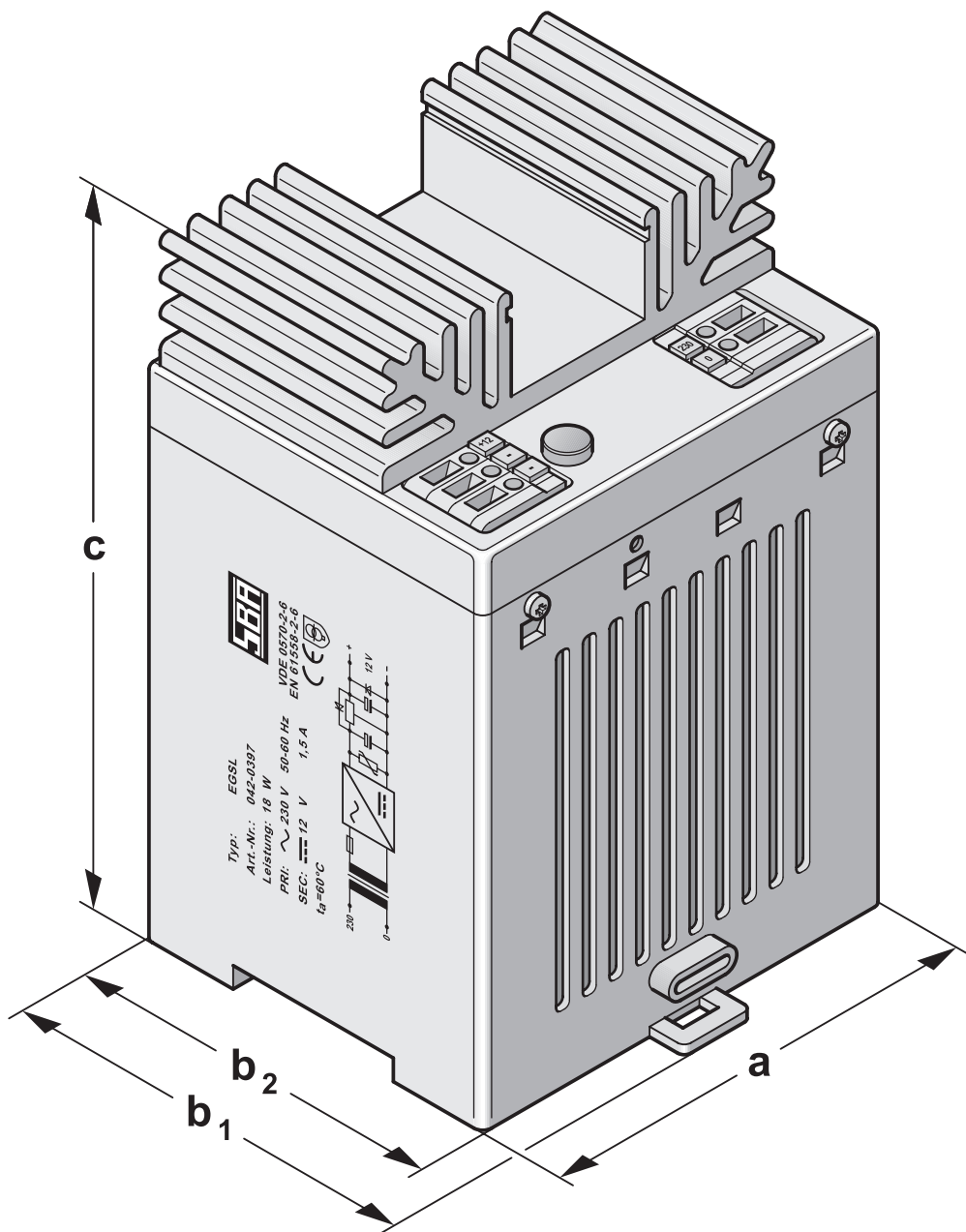


Type EGSL

Smoothed DC power supplies to VDE 0570-2-6 / EN 61558-2-6

Application

As DC power supply for general applications, e. g., as associated transformer, for supplying control circuits in switchgear systems, distribution boards, machines, etc. with safety extra-low voltage (SELV). Suited in particular, as power supply of programmable logic controllers (PLC).



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Construction

- ➔ Compact, plastic housing (IP 20) safe from finger touch
- ➔ The products consist of a safety isolating transformer to EN 61558-2-6 and an electronic module with permanently short-circuit resistant and overtemperature protected voltage controller
- ➔ For DIN rail TS 35 (DIN EN 50022)
- ➔ Connection to screw clamping terminals to VBG 4 with self-releasing clamp
- ➔ Performance data with circuit diagram printed on product
- ➔ Output voltage indicated by green LED

Specifications

Input voltage	230 V AC +/- 10%
Frequency	50-60 Hz
Output voltage	SELV DC12 V or 24 V +/- 1% (adjustable)
Output current	0.75 ... 1.5 A DC (tolerates short-time overload)
Load and line smoothing	< 0.5%
Ripple factor (typ.)	< 20 mVss
Output fuse	none, it is permanently short circuit resistant
Output configuration	Free-wheeling diode, varistor
Ambient temperature	max. 60°C
Mounting position	Cooling fins vertical
Mounting	on top hat rail to DIN EN 50022, lateral spacing > 10 mm
Vector group	li0
Protection index	IP 20
Protection class	II
Transformer	VDE 0570-2-6 / EN 61558-2-6
Safety	VDE 0805 / EN 60950
Interference emission	EN 61000-6 -3/-4, (class B)
Interference immunity	EN 61000-6 -1/-2

Overview

Type	Article no.	Line voltage V	Output voltage V (DC)	Rated current A (DC)	Total weight appr. kg	Copper weight kg	a	Dimensions approx. mm		
								b ₁	b ₂	c
EGSL 1201.5	042-0397	230	12	1.5	1.8	0.35	90	95	75	135
EGSL 2400.75	038-0363	230	24	0.75	1.2	0.22	63	83	75	125
EGSL 2401.5	042-0394	230	24	1.5	1.8	0.35	90	95	75	135

The values in the table above are for the thermal steady state at 60°C ambient temperature.

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SBA-TrafoTech GmbH
Winkelleite 14
91332 Heiligenstadt, Germany
Telephone +49 (0)9198/8 09-19
Facsimile +49 (0)9198/8 09-30
sales@sba.de

SBA-Trafobau Jena GmbH
Ilmstraße 18
07743 Jena, Germany
Telephone +49 (0)3641/4514-0
Facsimile +49 (0)3641/4514-30
info@sba.de

Internet: www.sba.de