

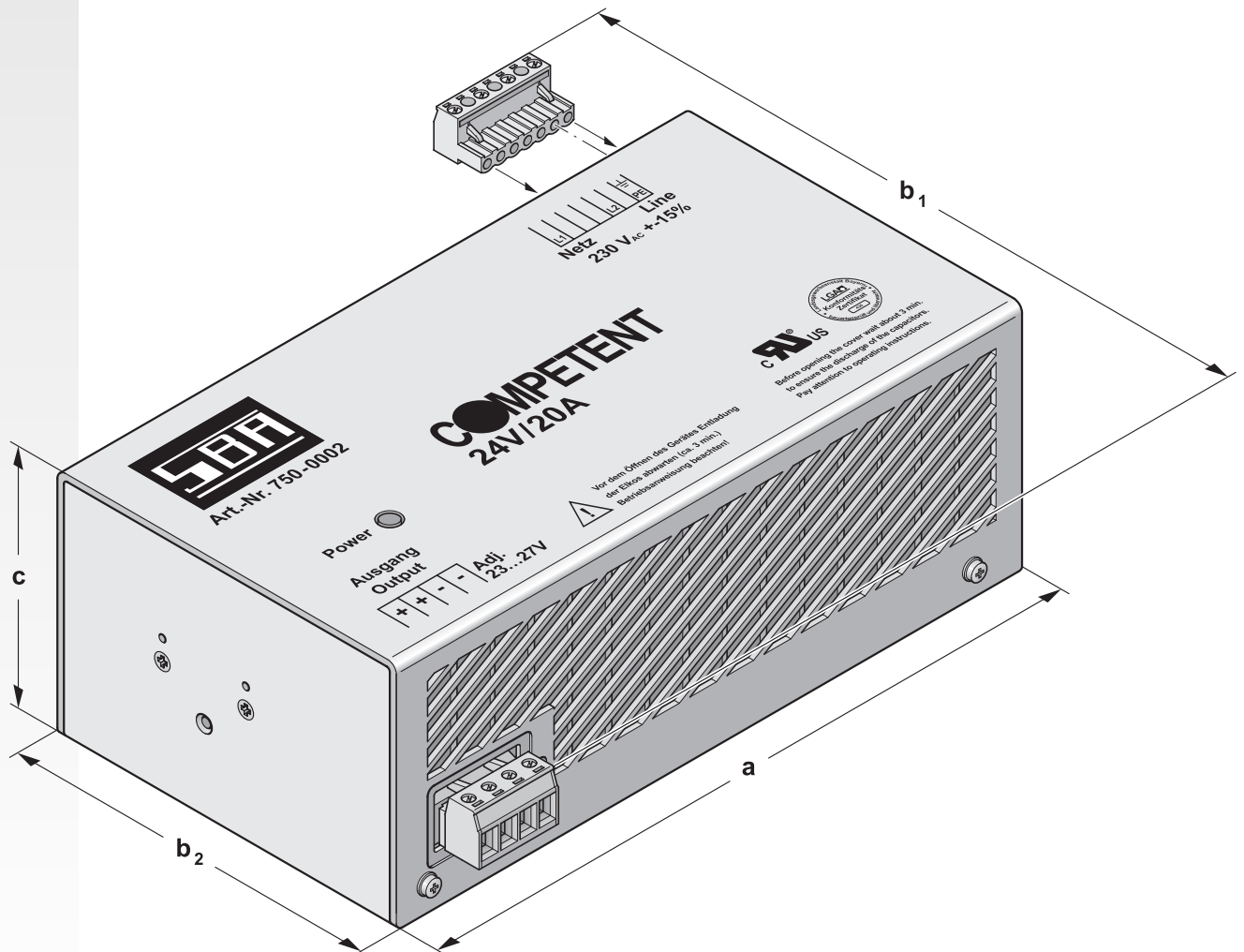
Type EGPT

Competent

**Stabilized DC power supplies primary switch mode
(flat shape)**

Application

Control circuits, switchgear equipment, PLCs, etc. are supplied safely by these DC power supplies even under adverse conditions. Two power supplies with the same rated current and output voltage can be connected. Floating operation with battery at half the rated current and thus uninterruptible power supply is also possible. A very good power density (weight ratio) is obtained (small size, low weight).



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available ex stock

* only 750-0025 a. 750-0050
 ** 275 - 370 V_{DC} supply only
 with activated 230 V_{AC} range
 Recommended fuses see page 68

TYPE EGPT

DC POWER SUPPLIES SINGLE-PHASE

CAUS
With UL/cUL test label



Construction

- ➔ For DIN rail TS 35 (DIN EN 50022)
- ➔ Permanently resistant to short circuit and permanently stable at no load
- ➔ High efficiency
- ➔ Safety: VDE 0805/EN 60950/IEC 950
- ➔ Interference emission: EN 61000-6 -3/-4, (class B)
- ➔ Interference immunity: EN 61000-6 -1/-2

Specifications	2,5 A	5 A	10 A	20 A
Article no.:	750-0025	750-0050	750-0001	750-0002
Input voltage:	94 - 265 V _{AC} / 135 - 370 V _{DC} wide range input	97 - 265 V _{AC} / 140 - 370 V _{DC} wide range input	115/230 V _{AC} ± 15% ** switchable (soldering jumper)	230 V _{AC} ± 15%
Frequency	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Rated input current:	0.6 A at 230 V _{AC}	1.23 A at 230 V _{AC}	2.25 A at 230 V _{AC}	4.2 A at 230 V _{AC}
Starting current inrush:	< 30 A	< 30 A	< 30 A	< 30 A
Power factor:	0.52 capacitive/230 V _{AC}	0.52 capacitive/230 V _{AC}	0.52 capacitive/230 V _{AC}	0.52capacitive/230 V _{AC}
Output voltage SELV:	24 V _{DC} ± 1%	24 V _{DC} ± 1%	24 V _{DC} ± 1%	24 V _{DC} ± 1%
Setting range, typ.:	22.5 - 27.5 V	22.5 - 27.5 V	22.5 - 27.5 V	22.5 - 27.5 V
Output current:	0 - 2.5 A _{DC}	0 - 5 A _{DC}	0 - 10 A _{DC}	0 - 20 A _{DC}
Output power:	60 W (max.)	120 W (max.)	240 W (max.)	480 W (max.)
Ripple:	< 100 mV	< 100 mV	< 100 mV	< 100 mV
Current limitation typ.:	3 A (permanently short circuit resistant)	6 A (permanently short circuit resistant)	12.5 A (permanently short circuit resistant)	25 A (permanently short circuit resistant)
Protection class:	I	I	I	I
Protection index:	IP 20	IP 20	IP 20	IP 20
Efficiency typ.:	86%	86%	89%	88%
Mains buffering:	> 80 ms / 230 V _{AC} > 15 ms / 115 V _{AC}	> 80 ms / 230 V _{AC} > 15 ms / 115 V _{AC}	> 80 ms / 230 V _{AC}	> 15 ms / 230 V _{AC}
Temperature range:	0 to 70°C (free convection)	0 to 70°C (free convection)	0 to 70°C (free convection)	0 to 70°C (free convection)
Leakage current:	< 0.75 mA (at 47 - 63 Hz)	< 0.75 mA (at 47 - 63 Hz)	< 0.75 mA (at 47 - 63 Hz)	< 3.5 mA (at 47 - 63 Hz)
Load control:	< 1% at 0 A to I _{nom}	< 1% at 0 A to I _{nom}	< 1% at 0 A to I _{nom}	< 1% at 0 A to I _{nom}
Mains regulation:	< 0.2% at U _{on} ± 15%	< 0.2% at U _{on} ± 15%	< 0.2% at U _{on} ± 15%	< 0.2% at U _{on} ± 15%
Dynamic response:	< 2 ms at 10 - 90% I _{nom} Overshoot < 2%	< 2 ms at 10 - 90% I _{nom} Overshoot < 2%	< 2 ms at 10 - 90% I _{nom} Overshoot < 2%	< 2 ms at 10 - 90% I _{nom} Overshoot < 2%
Overload resistant:	yes	yes	yes	
Stable at no load:	yes	yes	yes	
Output derating:	2,5% / K at +60°C	2,5% / K at +60°C	2,5% / K at +60°C	2,5% / K at +60°C
Storage temperature:	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C
Mounting position:	wall-mounted, input terminals up	wall-mounted, input terminals up	wall-mounted, input terminals up	wall-mounted, input terminals up

Overview

Type	Article no.	Line voltage V	Output voltage V (DC)	Rated current A (DC)	Total weight appr. kg	a	Dimensions approx. mm	b ₁	b ₂	c
EGPT 2402.5	750-0025	230	24	2.5	0.6	108		123	105	65
EGPT 2405	750-0050	230	24	5	0.8	147		123	105	86
EGPT 2410	750-0001	230	24	10	1.2	205		123	105	86
EGPT 2420	750-0002	230	24	20	1.9	240		153	130	86

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