

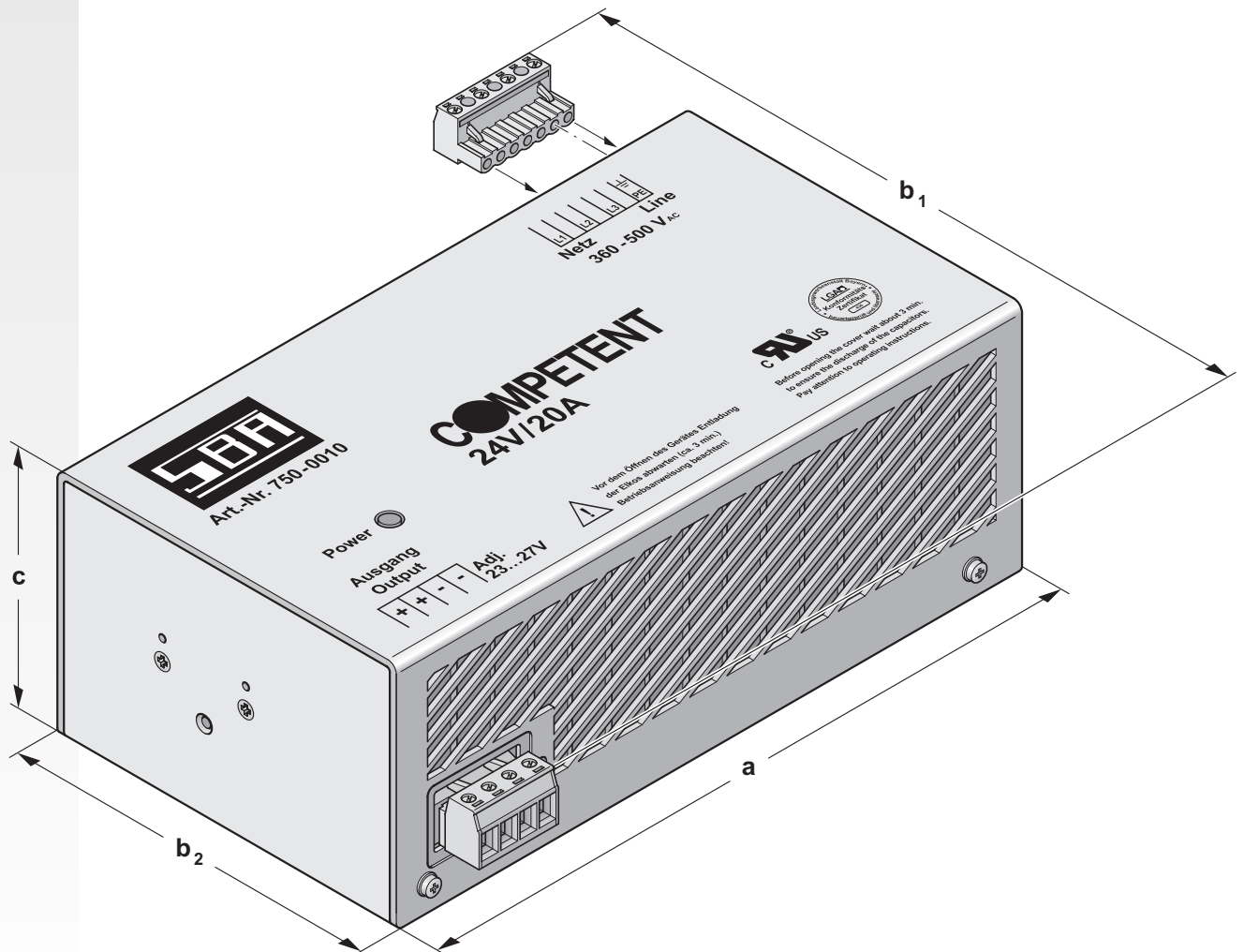
Type DGPT

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).



TYPE DGPT

DC POWER SUPPLIES THREE-PHASE

SAUS
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

Specification	20 A	40 A
Article no.:	750-0010	750-0400
Input voltage:	3 x 380 - 500 V _{AC} / 480 - 770 V _{DC}	3 x 360 - 500 V _{AC} / 480 - 770 V _{DC}
Input voltage range:	3 x 340 - 550 V _{AC}	3 x 340 - 550 V _{AC}
Frequency:	47 - 63 Hz	47 - 63 Hz
Rated input current:	3 x 1.5 A at 3 x 400 V _{AC}	3 x 3 A at 3 x 400 V _{AC}
Starting current inrush:	< 50 A	< 50 A
Power factor:	0.53 capacitive / 3 x 400 V _{AC}	0.53 capacitive / 3 x 400 V _{AC}
Output voltage SELV:	24 V _{DC} ± 1 %	24 V _{DC} ± 1 %
Setting range typ.:	22.5 - 26.5 V	22.5 - 27.5 V
Output current:	0 - 20 A _{DC}	0 - 40 A _{DC}
Output power:	480 W (max.)	960 W (max.)
Ripple:	< 100 mV	< 100 mV
Current limitation typ.:	25 A (permanently short circuit resistant)	45 A (permanently short circuit resistant)
Protection class:	I	I
Protection index:	IP 20	IP 20
Efficiency typ.:	90%	90%
Mains buffering:	> 5 ms / 3 x 400 V _{AC}	> 5 ms / 3 x 400 V _{AC}
Temperature range:	0 to 70 °C (at free convection)	
Leakage current:	< 3.5 mA (at 47 - 63 Hz)	
Load control:	< 1% at 0 A to I _{nom}	
Mains regulation:	< 0.2% at U _{on} +/- 15%	
Dynamic response:	< 2 ms at 10 - 90% I _{nom} / Overshoot < 2%	
Overload resistant	yes	
Stable at no load:	yes	
Output derating:	2,5% / K at +60 °C	
Storage temperature:	- 25 °C to + 85 °C	
Mounting position:	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
DGPT 2420	750-0010	3 x 400	24	20	1.9	240	153	130	86	
DGPT 2440	750-0400	3 x 400	24	40	3.6	288	190	180	130	

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