



DF series and D2440

3-phase switching power supplies

Product description

The switching power supplies of the DF series and the D2440 model offer an attractive price-performance ratio and impress with easy installation and fast wiring. Thanks to the DC-OK signal, LED indicator, and integrated fault relay contact, they provide additional operational safety. Their high load stability makes them the ideal solution for control cabinet construction and a wide range of industrial applications.

PRODUCT HIGHLIGHTS

- ▶ High-quality connection terminals
(DF series: spring clamp terminals
D2440: screw terminals)
- ▶ Easy connection
- ▶ DC-OK LED indicator
- ▶ Relay contact
- ▶ High load stability
- ▶ High efficiency
- ▶ AC or DC input voltage possible

Contact us:

✉ dc-vertrieb@woehrle-svs.de | ☎ +49 (0) 7157 73 74 0

Technical data

Product series	DF series			D series
Product name	DF2405	DF2410	DF2420	D2440
Input voltage range AC	3 x 320–575 V 2 x 340–575 V			3 x 320–575 V
Input voltage range DC	450–800 V			480–800 V
Input current	< 0.5 A @ 3 x 400 V AC	< 0.75 A @ 3 x 400 V AC	< 0.85 A @ 3 x 400 V AC	@400 V AC < 1.65 A
	< 0.4 A @ 3 x 500 V AC	< 0.65 A @ 3 x 400 V AC	< 0.73 A @ 3 x 400 V AC	@500 V AC < 1.35 A
Rated output voltage DC	24 V			
Adjustment range of output voltage DC	24–28 V			
Rated output current	5 A	10 A	20 A	40 A
Rated power	max. 120 W	max. 240 W	max. 480 W	max. 960 W
Temperature range	3-phase: -25 to +70 °C 2-phase: -25 to +60 °C			-25 to +70 °C
Derating	from 55 °C – 3.33 % / K			
Protective circuit	Thermal/overload			
DC OK	LED Display			
Relay contact	✓	✓	✓	✓
Efficiency (typ.)	87.5 % @ 3 x 400 V AC & 3 x 500 V AC	89.5 % @ 3 x 400 V AC & 3 x 500 V AC	94 % @ 3 x 400 V AC & 3 x 500 V AC	94.5 %
Dimensions (in mm)				
W	38	50	65	110
H	124	124	124	124
D	125.3	125.3	127.3	128.7
Weight (in kg)	0.54	0.84	1.2	2.26

Technical data



These close-up images show the spring-clamp terminals of the DF2405 switching power supply. The spring-loaded clamps are clearly visible, ensuring a secure and vibration-resistant connection. The actuating levers allow for easy, tool-free installation of wires, ensuring a reliable electrical connection. This type of terminal has been specifically designed to enable simple, fast, and tool-free replacement of connection cables. As a result, electrical energy (voltage/current) is transmitted safely and efficiently when the spring-clamp terminals are locked.