

WÖHRLE®

Stromversorgungssysteme



SIMPLY BETTER

The DF series

from Wöhrlé

Product description

Wöhrlé's DF series of three-phase switched-mode power supplies offers innovative solutions for industrial applications. Conformal coated circuit boards protect against dust and pollutants, and the devices comply with class B EMC standards. With a rated output of 120 to 480 W, they are particularly suitable for DC UPS systems and charging applications. The power supply units operate in constant current mode and have integrated overcurrent protection, making them flexible and adaptable.

PRODUCT HIGHLIGHTS

- ▶ High-end technology
- ▶ Output voltage 24 V DC
- ▶ Spring-loaded terminals
- ▶ Slim-line design
- ▶ DC relay contact



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Three-phase switched-mode power supply units for control cabinet installation

Product series	DF-Serie		
Product identifier	<i>DF2405</i>	<i>DF2410</i>	<i>DF2420</i>
Input voltage range AC	3 x 320-575 V 2 x 340-575 V		
Input voltage range DC	450-800 V		
Input current @115 V AC	<0.5 A	<0.75 A	<0.85 A
Input current @230 V AC	<0.4 A	<0.65 A	<0.73 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
Rated power	max. 120 W	max. 240 W	max. 480 W
Temperature range	3-phase: -25 to +70 °C 2-phase: -25 to +60 °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 % typ. @ 3 x 400 V AC & 3 x 500 V AC	94 % typ. @ 3 x 400 V AC & 3 x 500 V AC
Dimensions (in mm)			
W	38	50	65
H	124	124	124
D	125.3	125.3	127.3
Weight (in kg)	0.54	0.84	1,2

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These close-ups show the spring-loaded terminal connections of the switching power supply. The spring-loaded terminals, which ensure a secure and vibration-resistant connection, are clearly visible. The operating levers allow the wires to be installed easily and without tools, ensuring a reliable electrical connection. This type of connection has been specially designed to ensure simple, quick and tool-free replacement of the connection cables. As a result, the electrical energy (voltage/current) is transmitted safely and efficiently when the spring-loaded terminals are locked.