



## EP series

1-phase switching power supplies

### Product description

The EP series from Wöhrle offers numerous compact, durable switched-mode power supplies for DIN rail applications. Due to their modern circuit design, they can also meet the highest standards. Along with the compact design, the units were also developed for a broad range of operating temperatures from -25 °C to +70 °C. With their broad range of AC and DC input voltages, the switched-mode power supplies can be used for numerous applications. A powerful, long-lasting power boost as well as a relay contact are integrated into models from a rated power of 120 W.

### PRODUCT HIGHLIGHTS

- ▶ Slim-line design
- ▶ Wide-range input
- ▶ Units from 120 W with powerful, long-lasting power boost
- ▶ High-quality connection terminals
- ▶ UL approval

Contact us:



dc-vertrieb@woehrle-svs.de |



+49 (0) 7157 73 74 0

## Technical data

| Product series                        | EP series     |              |             |                |              |              |
|---------------------------------------|---------------|--------------|-------------|----------------|--------------|--------------|
| Product identifier                    | EP2401        | EP2402       | EP2404      | EP2405         | EP2410       | EP2420       |
| Input voltage AC                      | 85-264 V      |              |             |                |              |              |
| Input voltage DC                      | 120-375 V     |              |             | 100-375 V      |              |              |
| Output voltage DC                     | 24 V          |              |             |                |              |              |
| Range of adjustable output voltage DC | 21.6–26.4 V   | 24-28 V      |             |                |              |              |
| Rated power                           | 1.25 A / 30 W | 2.1 A / 50 W | 4 A / 100 W | 5 A / 120 W    | 10 A / 240 W | 20 A / 480 W |
| Power boost                           | –             | –            | –           | 150 % / 5 sec. |              |              |
| Advanced power boost                  | –             | –            | –           | 200 %/50 ms    | 200 %/50 ms  | 200 %/50 ms  |
| Efficiency                            | 88 %          | 89 %         |             | 91 %           | 94 %         |              |
| DC-OK/relay contact                   | –             | ✓            | ✓           | ✓              | ✓            | ✓            |
| Housing                               | plastic       |              | aluminium   |                |              |              |
| Design                                | Slim-Line     |              |             |                |              |              |
| Dimensions (in mm)                    |               |              |             |                |              |              |
| W                                     | 21            | 30           | 40          | 40             | 60           | 82           |
| H                                     | 75            | 75           | 75          | 124            | 124          | 124          |
| D                                     | 89.5          | 89.5         | 100         | 117            | 117          | 117          |
| Weight (kg)                           | 0.1 kg        | 0.18 kg      | 0.326 kg    | 0.58 kg        | 0.84 kg      | 1.2 kg       |