

## Single phase, primary switched mode power supply **PEL 230/24-1,3**



### Advantages

|                                                 |
|-------------------------------------------------|
| Stabilised and adjustable output voltage        |
| DC OK signalling via LEDs                       |
| Parallel connection option                      |
| Service-friendly spring-loaded connector system |
| Panel installation on mounting rails            |

### Applications

Primary switch mode power supply is concentrated on the core task of voltage and current supply. Flat step profile optimized for installation in control panels in the building automation.

### Standards

Primary switched mode power supply  
to UL 60950, UL 508

Safety:  
EN 61558-2-16, EN 60950-1

EMC:  
EN 61204-3

### Approvals



UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd



# Single phase, primary switched mode power supply PEL 230/24-1,3

## Electrical data

| Type                                       | PEL 230/24-1,3                        |
|--------------------------------------------|---------------------------------------|
| <b>Input</b>                               |                                       |
| Input rated voltage                        | 100 - 240 Vac                         |
| Input voltage range                        | 85 - 264 Vac (120 - 373 Vdc)          |
| Input rated current (rated load)           | 0.7 / 0.4 A (110 / 230 Vac)           |
| Rated frequency range                      | 44 - 66 Hz / 0 Hz                     |
| Starting current limiter                   | <30 A, NTC                            |
| Input fuse internal                        | 2 A (slow-blow)                       |
| Recommended back-up fuse (circuit breaker) | 6 A, 10 A, 16 A, characteristics B, C |
| Mains buffering                            | 10 / 80 ms                            |
| Transient surge voltage protection         | Varistor                              |
| <b>Output</b>                              |                                       |
| Output rated voltage                       | 24 Vdc $\pm 2\%$                      |
| Output voltage range                       | 22.8 - 26.4 Vdc                       |
| Output rated current                       | 1.30 A                                |
| Resistance to reverse feed max.            | 30 Vdc                                |
| Overload behaviour                         | Constant current                      |
| Ripple factor                              | typ. 100 mVss                         |
| Parallel connection                        | Yes                                   |
| Serial operation                           | Yes                                   |
| Efficiency                                 | typ. 82 %                             |
| <b>Signaling</b>                           |                                       |
| Power Good (DC OK)                         | LED green                             |
| <b>Standards</b>                           |                                       |
| Classification                             | Primary switched mode power supply    |
| <b>Approvals</b>                           |                                       |
| Approvals                                  | cURus, cULus, GL                      |
| <b>Environment</b>                         |                                       |
| Ambient temperature                        | -25° C to +55° C                      |
| Storage temperature                        | -25° C to +85° C                      |
| Derating                                   | -3 %/K > +45° C                       |
| Current capacity by any mounting position  | max. 0.9 A                            |
| <b>Safety and protection</b>               |                                       |
| Protection index                           | IP 20                                 |
| Safety class                               | II, (in closed cabinet)               |
| <b>Order numbers</b>                       |                                       |
| Order Number                               | PEL 230/24-1,3                        |

## Mechanical data

| Type                                        | PEL 230/24-1,3           |
|---------------------------------------------|--------------------------|
| <b>Terminal and mounting</b>                |                          |
| Connections output, (spring clamp terminal) | max. 2.5 mm <sup>2</sup> |
| Connections input, (spring clamp terminal)  | max. 2.5 mm <sup>2</sup> |
| Mounting position                           | vertical                 |
| Fixing method                               | DIN Rail system TH 35    |
| <b>Measures and weights</b>                 |                          |
| Weight                                      | 0.17 kg                  |

