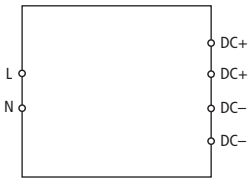
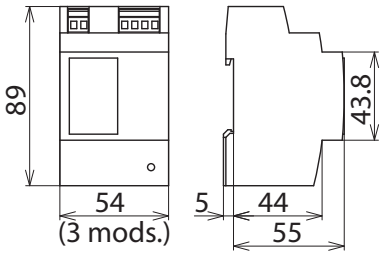
# PSU DC24 30W (910 499)

- Primary synchronised power supply unit
- For devices and installations of protection class II
- Self-cooling due to natural convection in case of horizontal installation
- Stepped profile, ideally suited for distribution boards




Basic circuit diagram




Dimension drawing

High-performance DIN rail mounted power supply unit with single-phase wide-range input can be connected to different supply systems. The operating state indicator on the front panel indicates whether the output voltage is present. Up to 10 DRC MCM XT or DRC SCM XT (single application) or up to 15 DRC MCM XT (multiple application) monitoring devices can be connected to a single power supply unit.

| **Type** | **PSU DC24 30W** |
|---|---|
| **Part No.** | **910 499** |
| Nominal input voltage ($U_e$) | 100-240 V a.c. |
| Input voltage range | 85-264 V a.c.; 120-373 V d.c. |
| Input voltage derating | < 100 V a.c.: $I_a$ max. 1 A |
| Frequency | 44-66 Hz; 0 Hz |
| Input current ($I_e$) | 0.7 A at 110 V a.c. / 0.5 A at 230 V a.c. |
| Discharge current | typ. 1 mA |
| Switch-on current | < 30 A, NTC |
| Mains buffering | > 10 ms at 110 V a.c. / > 80 ms at 230 V a.c. |
| Output nominal voltage ($U_a$) | 24 V d.c. (SELV) |
| Output voltage range | 22.8-26.4 V d.c., variable |
| Output current ($I_a$) | 1.3 A at 24 V d.c., max. 0.9 A in any installation position |
| Presetting | 24 V d.c. |
| Residual ripple | < 100 mVpp at 20 MHz |
| Current limitation | typ. 1.1 x $I_a$ |
| Behaviour in case of overload | constant current |
| Operating state indication | green LED |
| Efficiency | typ. 82 % |
| Power loss ($P_v$) | 2.6 W (230 V a.c. / open circuit), 7.0 W (230 V a.c. / nominal load) |
| Max. power loss ($P_v$) | typ. 7.3 W (100 V a.c. / 24 V, 1.3 A d.c.) |
| Integrated fuse | 2 AT |
| Recommended backup fuse | circuit breaker 10 A, 16 A, characteristic B, C |
| Ambient temperature | -25 °C ... +55 °C |
| Pollution degree | 2 (according to EN 50178) |
| Climatic category | 3K3 (according to EN 60721) |
| Enclosure | plastic, light grey |
| Protection class | prepared for protection class II |
| Degree of protection | IP20 according to EN 60529 |
| Short-circuit-proof | yes |
| Open-circuit-proof | yes |
| Can be connected in parallel | yes |
| Can be connected in series | yes |
| Cross-sectional area (input / output) | 0.08-2.5 mm² / AWG 28 ... 12 |
| Type of attachment | DIN rail mounting (EN 60715) |
| Dimensions (B x H x D) | 54 x 89 x 59 mm |
| Weight | 180 g |
| Standards / regulations | EN 60950, EN 61204-3, UL 60950, UL 508, GL |

# Datasheet: Accessories for condition monitoring system

| Masterdata | |
|---|---|
| Net weight | 180 g/pc(s) |
| GTIN | 4013364157149 |
| PU | 1 pc(s) |
| Customs tariff number (Comb. Nomenclature EU) | 85044083 |

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.