

DC-DC CONVERTER 48/48 V DC

48/48 V DC, 5 A

CD10.482

- Width 42 mm
- 95,1% efficiency
- 20% power reserve
- Galvanically separated SELV/PELV output





PRODUCT DESCRIPTION

The CD10.482 is a DIN-rail mountable DC/DC converter of the DIMENSION series which provides a floating, stabilized and galvanically separated SELV/PELV output voltage.

The CD-Series is part of the DIMENSION power supply family. The most outstanding features of CD10.482 are the high efficiency, the small size and the wide operational temperature range.

The CD-Series includes all the essential basic functions. The devices have a power reserve of 20% included, which may even be used continuously at temperatures up to +45°C.

High immunity to transients and power surges as well as low electromagnetic emission and a large international approval package for a variety of applications makes this unit suitable for nearly every situation.

SPECIFICATIONS

| Input voltage DC | 48 V |
|----------------------|--------------------|
| Input voltage dc min | 36 V DC |
| Input voltage dc max | 60 V DC |
| Input Capacitance | 1650 µF |
| Inrush current | Typ. 7 A @ 48 V DC |
| Max entrance tripple | 10 V pp |
| Type Power Supply | DC-DC |
| Start-Up Delay | 350 ms |
| | |
| Output voltage | 48 V DC |

| Output voltage min | 48 V DC |
|---|---------------------------------|
| Output voltage max | 56 V DC |
| Output Current | 5 A |
| Effect | 240 W |
| Power Reduction Of 60 To 70 ° C | 6 W/°C |
| Ripple. max | 50 mV pp |
| Temperature Range Without Derating From | -25 °C |
| Temperature Range Without Derating To | 60 °C |
| | |
| Efficiency | 95,1 % |
| Life span | 160 000 h @ 48 V DC, 5 A, 40 °C |
| MTBF (IEC 61709) | tbd |
| | |
| Width | 42 mm |
| Height | 124 mm |
| Depth | 117 mm |
| Weight | 0,5 kg |
| Clause toma | Corour |
| Clamp type | Screw |
| Series | Dimension C |
| Approvals | CE, UL |
| Material Protection | Aluminium |
| Keep time | Typ. 7,7 ms @ 48 V DC |
| IP Class | IP20 |
| | |









