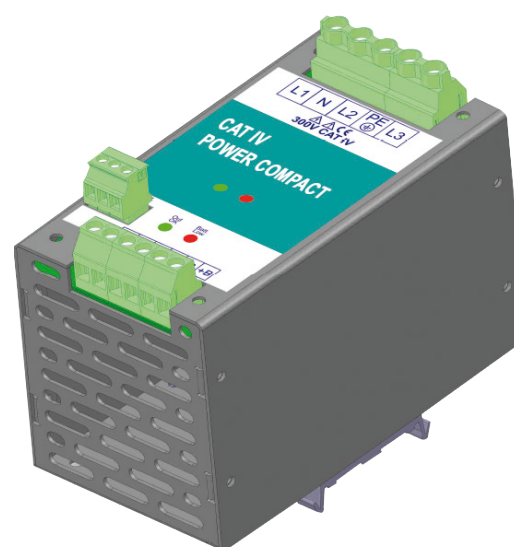


CAT IV Power Compact – Industrial Power Unit

- Specially designed for operating the UMD 97EVU, UMD 710EVU, UMD 710MVU and MMB 700 measuring devices in CAT IV environments
- Overvoltage category 300 V / CAT IV according to EN 61010-1
- Parallel switchable, series switchable
- Galvanically isolated output voltage (SELV)

Download
data sheet



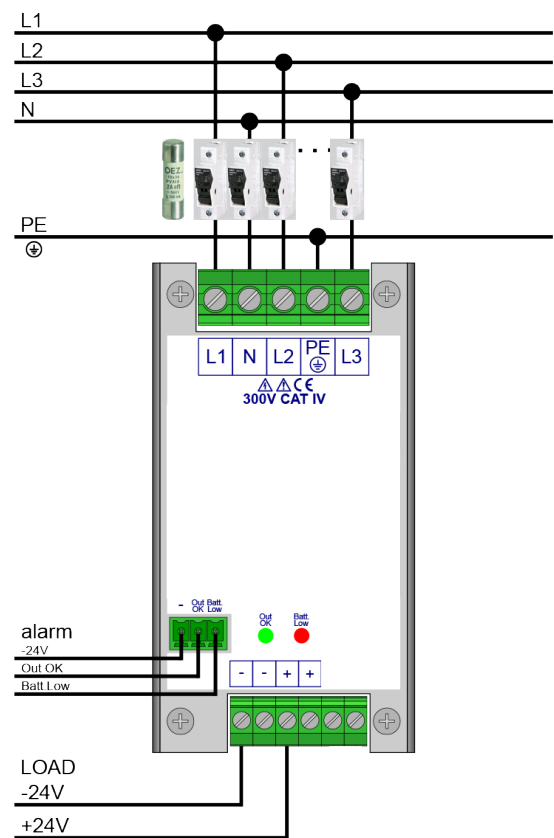
Type	CAT IV Power Compact
Item number	80.42.3024
Output voltage/current	24 V DC / 1.45 A

Technical specifications – CAT IV Power Compact

Input:	
AC input voltage	90 ... 460 V
DC input voltage	127 ... 340 V
Frequency	47 ... 63 Hz
Overvoltage category	300 V CAT IV, EN 61010-1, 60950-1
Inrush current	60 A
Power failure bypass	50 ms at 230 V AC
Insulation voltage	3 kV ~/1min, reinforced insulation > 100 MΩ / 500 V
Output:	
DC output voltage	24 V (SELV)
Output current I _a	1.45 A
Control deviation	±1 %
Residual ripple	240 mV (peak-to-peak)
Overvoltage protection	27.6 V
Overload safety	300 %
Efficiency/ power loss:	
Efficiency	88 %
Power loss PV	4 VA, 1.2 W
Fuse protection:	
Internal fuse	Galvanically isolated from the supply voltage
SSR output	~ 30 mA / 24 V=, against 0 pole

Ambient conditions:	
Ambient temperature	-30 ... 70 °C
Storage temperature	-40 ... 85 °C
Relative humidity	95 % (no condensation permitted)
EMC resistance	EN 55011, EN 61000-3-2/-3-class B
Safety and protection:	
Protection class	IP20
Surge protection	By varistor in the primary circuit
Dimensions and weight:	
Dimensions (mm) W x H x D	58.6 x 109.4 x 104.9
Weight	250 g

Typical connection variant - CAT IV Power Compact



Dimension drawings - CAT IV Power Compact

