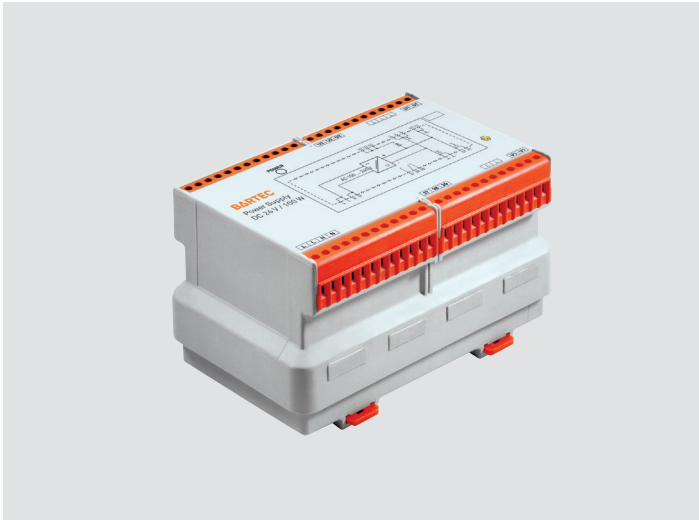
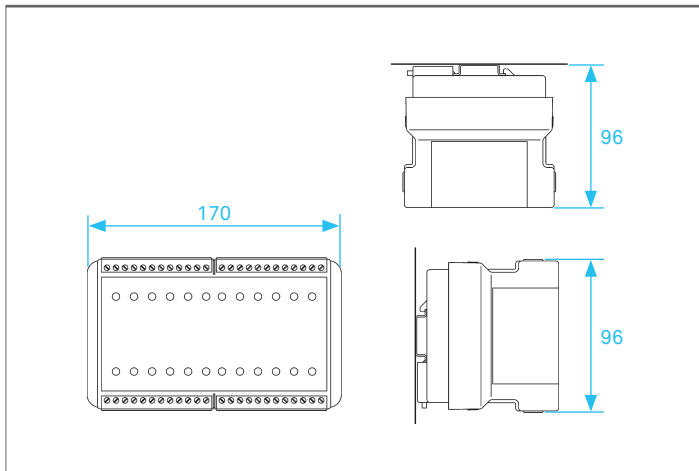


# Power supply unit DC 24 V/100 W

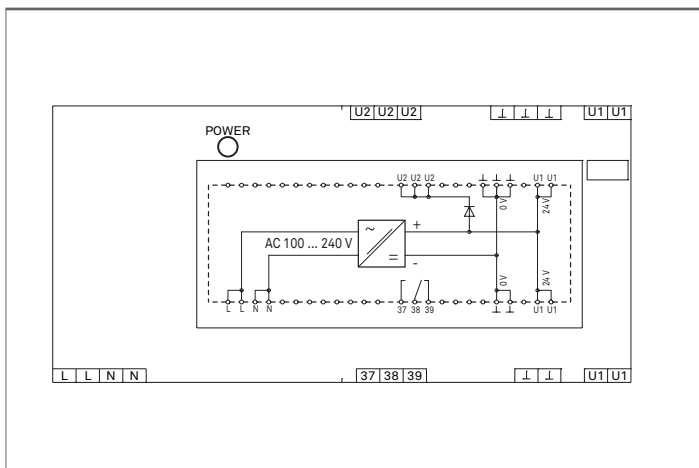


The module can be connected in parallel to increase the power by means of the built-in diode. This also allows redundant operation. The operating status of the power supply unit can be monitored via a potential-free signal contact.

## Dimensions/mounting positions



## Wiring diagram/terminal assignment



## Explosion protection

Marking ATEX	Ex II 2G Ex db e IIC Gb Ex II M2 Ex db e I Mb
Certification	PTB 97 ATEX 1066 U
Marking IECEx	Ex db e IIC Gb Ex db e I Mb
Certification	IECEx PTB 11.0082U
Marking CSA	Class I, Zone 1, IIC A/Ex d e IIC Gb
Certification	CSA 2011-2484303U

Other approvals and certificates, see [bartec.com](http://bartec.com)

## Technical data

Construction	Flameproof, clip-on enclosure for TH 35 rail
Enclosure material	High-quality thermoplastic
Protection class	Module IP 66 EN/IEC 60529 Terminals IP 20 EN/IEC 60529 Terminals with cover IP 30 EN/IEC 60529
Terminals	2.5 mm <sup>2</sup> , fine stranded
Terminal designation	written marking labels
Display	LEDs on front panel
Ambient temperature	-40 °C to +60 °C at T4
Storage temperature	-40 °C to +60 °C
Weight	2.1 kg

## Electrical data

Supply voltage	AC 110 to 250 V, 47 to 63 Hz
Input voltage range	AC 90 to 264 V
Nominal input current	0.6 A at AC 230 V/1.1 A at AC 115 V
Power consumption	$P_{max} = 109 \text{ W}$
Power dissipation	$P_{Vtot} = 8.8 \text{ W}$
Galvanic isolation	Input//Output
Display	Operation LED green Overload > 5 A or short-circuit LED green flashing
<b>Outputs</b>	
Output voltage	U1: DC 24,5V ±3% U2: DC 24,0V ±3%
Output current	4.1 A at $T_u < +50 \text{ °C}$ (230 V), > +40 °C (115 V)
Power derating	2.5 %/K > +50 °C (230 V), 2 %/K > +40 °C (115 V)
Nominal output power	$P_a = 100 \text{ W}$
Residual ripple	typ. 160 mV at $T_u = -10 \text{ °C}$ to +60 °C
Protection and monitoring	Permanent short-circuit protection, overload proof
Contact details of signalling contact	1A / 24V DC or 0.5A / 125V AC

Note: At least 40 mm clearance must be left around the power supply unit.

## Ordering information

Power supply unit, DC 24 V/100 W	07-7331-1202/0000
----------------------------------	-------------------

Technical data subject to change without notice.