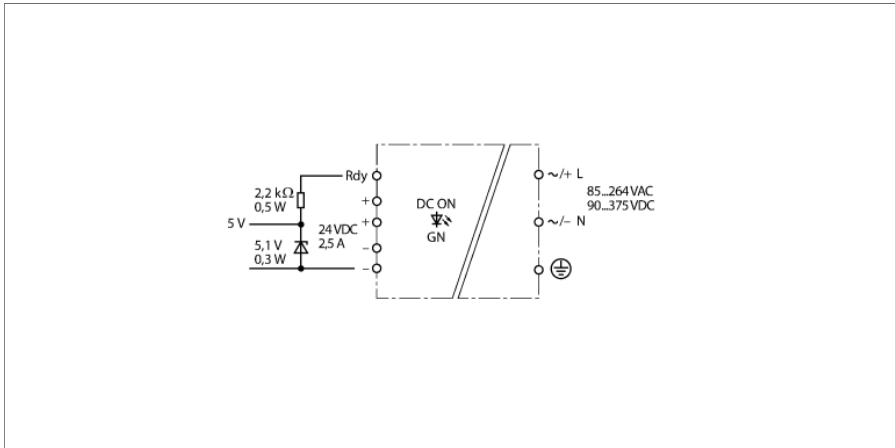


**Switching power supply
IM82-24-2,5**

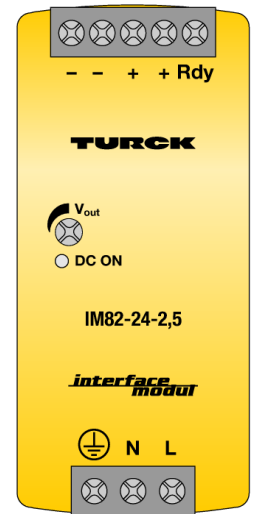


The IM82-24-2,5 power supply is designed for DC loads, especially for switching and monitoring devices of the TURCK interface module series IM, IME, IMB, IMS and IMC.

The power supply provides 24 VDC output voltage and 2.5 A output current. With the potentiometer V_{out} the output voltage can be adjusted in a range between 24...28 VDC. The device provides safety extra-low voltage (SELV) according to EN 60950.

The power supply can be set to single or parallel operating mode (with decoupling diode).

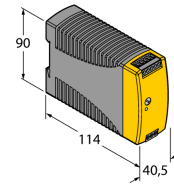
- Safety extra-low voltage SELV IEC/ EN 60950
- Output voltage adjustable 24...28 VDC
- Nominal current 2.5 A
- Single/parallel operation
- Surge protection
- Universal operating voltage
- Mains buffering up to 30 ms
- High efficiency
- Natural air cooling
- Power-good relay



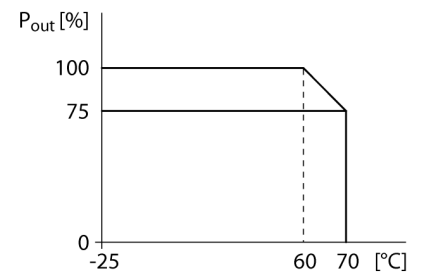
Switching power supply
IM82-24-2,5

Type	IM82-24-2,5
Ident-No.	7545041
Nominal voltage	Universal voltage supply unit
Operating voltage	85...264 VAC
Frequency	47...63 Hz
Operating voltage range	90...375 VDC
Power consumption	≤ 83 VA
Power loss, typical	≤ 8.8 W
External fuse	B5A
Internal fuse	T2A/250VAC
Inrush current	U _i =115VAC, 20A; U _i =230VAC, 40A
Mains buffering	U _i =115VAC, 20ms; U _i = 230VAC, 30ms
Nominal voltage	24 V
Adjustment range	28...24V
Nominal current	2.5 A
Semiconductor output circuit(s)	
Output circuits (digital)	1 x transistor (potential-free, short-circuit proof)
Switching voltage	≤ 24 VDC
Switching current per output	≤ 35 mA
Overload protection	110-150%
Parallel mode	yes, via diodes
Ripple	50 mV
Pollution degree	2
Surge category	II
Short-circuit behaviour	Hiccup mode
Limit frequency	≤ 80000 Hz
Galvanic separation	
Test voltage	3.0 kV
Indication	
Operational readiness	green
Protection class	IP20
Ambient temperature	-25...+70 °C
Storage temperature	-25...85°C
Derating	-2.5%/°C from 60°C
Relative humidity	≤ 95%
Dimensions	90 x 40.5 x 114 mm
Weight	401 g
Mounting instruction	For mounting on DIN rail
Housing material	Plastic
Electrical connection	Screw terminals
Terminal cross-section	0.2...2.0 mm ²

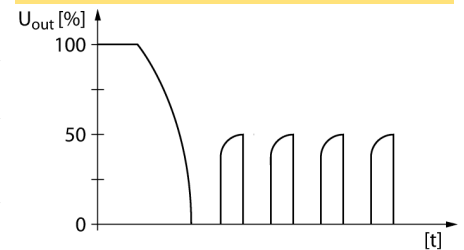
Dimensions



Derating



Short-circuit behaviour



parallel connection

