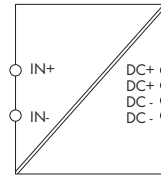




Similar to pictured device



- Primary switch mode power supply unit
- Natural convection cooling when horizontally mounted
- Stepped profile, ideal for distribution boards or distribution boxes
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1
- Adjustment accuracy:  $\pm 1\%$  ( $\pm 10\%$  subject to the application range of EN 50121-3-2)

Description	Item No.	Pack. Unit
DC/DC Converter, 72 VDC / 24 VDC; 2.0 A	787-1014/072-000	1

Technical Data	
<b>Input:</b>	
Nominal input voltage $V_{i\text{nom}}$	72 VDC
Input voltage range	40 ... 90 VDC
Frequency	0 Hz
Input current $I_i$	0.79 A at 72 VDC
Inrush current	< 30 A, NTC
Mains failure hold-up time	> 8 ms at 72 V DC
<b>Output:</b>	
Nominal output voltage $V_{o\text{nom}}$	24 VDC, SELV
Factory preset	24 VDC
Output current $I_o$	2.0 A at 24 VDC
	max. 1.6 A in any mounting position
Residual ripple	< 100 mV (peak-to-peak) up to 20 MHz
Current limitation	$1.1 \times I_o$ typ.
Overload behavior	Constant current
Operational indication	Green LED ( $V_o$ )
<b>Efficiency/Power losses:</b>	
Efficiency	84 % typ.
Power loss $P_V$	2.0 W (72 VDC/no load), 9.0 W (72 VDC/nominal load)
Max. power loss $P_V$	10,5 W typ. (40 VDC/24 VDC, 2 A)
<b>Fuse protection:</b>	
Internal fuse	4 AT (125 V DC)
External fuse	6 A, 10 A power circuit breakers, B, C characteristics
<b>Environmental requirements:</b>	
Ambient operating temperature	-40 °C ... +70 °C
Storage temperature	-40 °C ... +85 °C
Relative humidity	5 % ... 96 % (coated PCB)
Derating	-1.5 %/K (> 55 °C)
Degree of pollution	2 (per EN 50178)
Climatic category	3K3 (per EN 60721)
Shock and vibration	Category 1, class B (per EN 61373:2010)

Technical Data	
<b>Safety and protection:</b>	
Enclosure	Plastic, light gray, Flammability class V0 per UL94
Test voltage PRI-SEC	4.2 kV DC
Protection class	II
Degree of protection	IP20 per EN 60529
Overvoltage category	II
Overvoltage protection	Varistor (input side); internal protective circuit, < 40 VDC (output side in case of an error)
Short circuit protection	Yes
No-load proof	Yes
Feedback voltage	Max. 35 VDC
Parallel operation	Yes
Series connection	Yes
MTBF	> 500000 h
Fire load	7 MJ
<b>Connection and mounting type:</b>	
Wire connection	Input/Output: WAGO 740 Series
Cross sections	Input/Output: 0.08 ... 2.5 mm <sup>2</sup> /28 ... 12 AWG
Strip lengths	Input/Output: 6 ... 7 mm/0.24 ... 0.28 in.
Mounting type	DIN-rail-mount (EN 60715)
<b>Dimensions and weight:</b>	
Dimensions (mm) W x H x L	72 x 89 x 59
Weight	Length: 55 mm, from upper-edge of DIN- 250 g
<b>Standards and specifications:</b>	
Standards/specifications	EN 60950, EN 61204-3, EN 50121-3-2, EN 50125*, UL 60950*, UL 508*, GL* (*pending)