

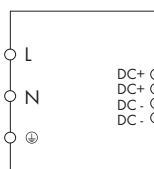
Primary Switch Mode Power Supply Units

EPSITRON - PRO - Power



	Output voltage 24VDC; 5A, open circuit and short circuit protected, adjustable output voltage, LED status indication, power boost	
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- Primary switch mode power supply unit with power boost and top boost
- Stand-by input for switching off the output and reducing energy consumption to a minimum
- Parallel operation, series connection possible
- Prepared for class I equipment
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets



Description	Vo nom	Item no.	Pack. unit
Primary switch mode power supply units, for DIN 35 rail	DC 24 V, SELV	787-822	1

Technical Data

Nominal input voltage Vi nom	AC 100 V ... 240 V
Input voltage range	AC 85 V ... 264 V (DC 120 V ... 373 V)
Frequency	44 Hz ... 66 Hz
Input current Ii	0.97 A at AC 230 V and DC 5 A
Inrush current	< 15 A
Mains failure hold-up time	35 ms typ. at AC 230 V
Internal/external fuse	4 AT
Nominal output voltage Vo nom	DC 24 V, SELV
Output voltage range	DC 22 V... 29.5 V adjustable
Output current Io	5 A at DC 24 V
Power boost	DC 10 A (for 4 sec.); DC 7.5 A (for another 2 sec.)
Top boost	DC 23 A (for 25 ms)
Residual ripple	< 70 mVpp
Derating	-2.5 % / K (> 55 °C)
Adjustment accuracy	1 %
Current limitation	1.1 x Io typ.
Efficiency	87.8 % typ.
Test voltage pri.-gr./pri.-sec./sec.-gr.	- / 4.2 kV / -
Degree of protection	IP20
Operational indication	LED green (Vo), LED red (error)
Power loss Pv	0.5 W (stand-by) / 5.0 W (no load) / 14.6 W (rated load)
Signaling	Relay contact DC O.K. (changeover contact)
Type of mounting	DIN-rail mount (EN 60715) in 2 positions
Ambient operating temperature	-10 °C ... +70 °C
Storage temperature	-25 °C ... +85 °C
Dimensions (mm) W x H x L	57 x 163 x 163
Wire connection	Height from upper-edge of DIN 35 rail Input/Output: WAGO 231 Series / WAGO 231 Series Signalisation: WAGO 733 Series
Cross sections	Input: 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 12 Output: 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 12 Signalisation: 0.08 mm ² ... 0.5 mm ² / AWG 28 ... 20
Stripped lengths	Input: 8 ... 9 mm / 0.33 in Output: 8 ... 9 mm / 0.33 in Signalisation: 5 ... 6 mm / 0.22 in
Weight	1100 g
Approvals	EN 60950, EN 61204-3, UL 60950*, UL 508*, EN 61000-6-2, EN 61000-6-3 (* pending)