zenitel

DATASHEET



2990000063

Power supply 100-240VAC/24VDC 2A

Switched-mode power supply, 1-phase, 24 VDC output voltage, 2A current

- Model: Wago 787-1606
- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- Limited Power Source (LPS) per NEC Class 2
- Bounce-free switching signal (DC O K)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1; PELV per EN 60204
- DNV approval - EMC location class B only in conjunction with the filter 787-980

Technical Dimensions

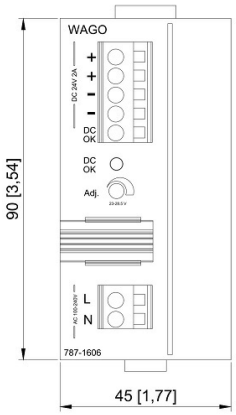
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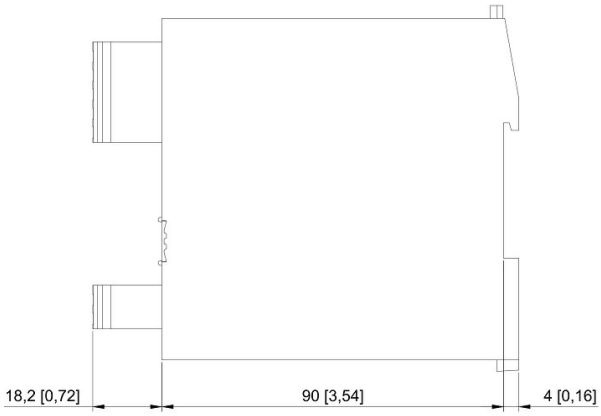
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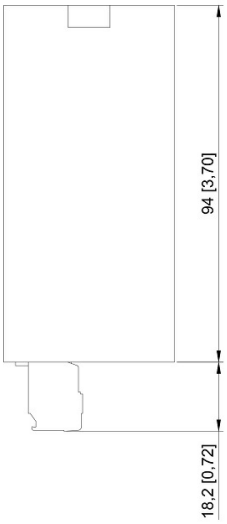
FRONT VIEW



SIDE VIEW



TOP VIEW



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Specifications

INPUT	
Phases	1
Nominal input voltage	100 to 240 VAC
Input voltage range	85 to 264 VAC; 120 to 372 VDC
Input voltage derating	-2.5 %/V (< 95 VAC)
Input current	≤ 0.48 A (240 VAC); ≤ 0.82 A (100 VAC)
Discharge current	≤ 0.25 mA
Inrush current	≤ 30 A
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 120 ms (230 VAC); ≥ 20 ms (100 VAC)

OUTPUT	
Nominal output voltage	24 VDC (SELV)
Output voltage range	23 to 28.5 VDC (adjustable)
Factory preset	24 VDC
Nominal output current	2 A (24 VDC); 2.2 A (< 40 °C)
Nominal output power	48 W
Residual ripple	≤ 20 mV (peak-to-peak)
Overload behavior	Constant current

SIGNALING AND COMMUNICATION	
Signaling	1 x LED DC OK (green); 1 x active signal output DC OK (24 VDC, 20 mA)
Operation status indicator	LED green

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EFFICIENCY

Power loss	≤ 1W (230 VAC; no load); ≤ 6W (230 VAC; nominal load)
Max. power loss	≤ 7W (100 VAC / 24 VDC; 2 A)
Efficiency	≥89%

FUSE PROTECTION

Internal fuse	T 4 A / 250 VAC
External fuse (required)	External DC fuse required for DC input voltage
External fuse (recommended)	Circuit breakers 6 A, 10 A, 16 A, characteristic: B or C an external DC fuse required for DC input voltage

GENERAL

Dimensions (WxHxL)	45mmx90mmx107.5mm
Weight	210 g
Type of mounting	DIN-35 rail
Protection class	II
Degree of protection	IP20

ENVIRONMENTAL

Operating Temperature	-25 to 70 °C
Storage Temperature	-25 to 85 °C
Relative humidity	5-96 % (no condensation permissible)
Derating	-3 %/K (> 50 °C)

STANDARDS

Conformity marking	CE
Standards/specifications	EN 60950-1; EN 61204-3; EN 60335-1; UL 60950-1; UL 508; GL

Accessories

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PSU-FLT

AC Filter, DIN, 1-Phase, max. 250VAC/10A

Item Number: 1015818

Used With



FCDC2

Flowire Ethernet Converter - non-PoE This product has been replaced by 1008080310 FCDC3 Flowire Ethernet Converter

Item Number: 1008080210



FCDC3

Flowire Ethernet Converter - DC Voltage

Item Number: 1008080310

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