

2990000067

Power Supply 100-240VAC/24VDC 1A

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

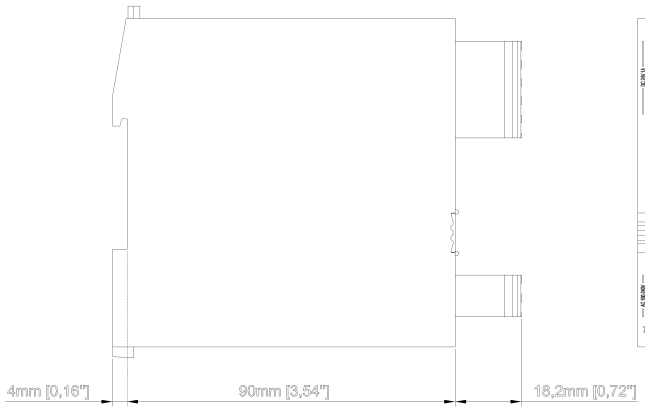
- Model: Wago 787-1602
- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- Bounce-free switching signal (DC O K)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204
- DNV approval - EMC location class B only in conjunction with the filter 787-980

Technical Dimensions

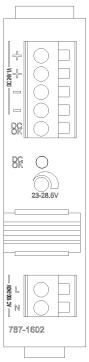
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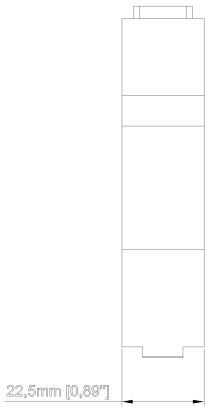
SIDE VIEW



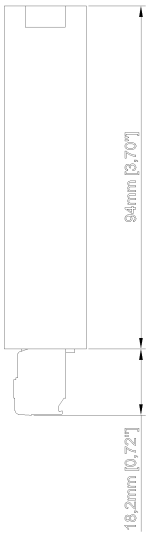
FRONT VIEW



REAR 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 300 VDC
Input voltage derating	-2.5 %/V (< 95 VAC)
Input current	≤ 0.28 A (240 VAC); ≤ 0.49 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	1 A / 1.2 A@ max. 40 °C
Nominal output power	24 W
Residual ripple	≤ 20 mV (peak-to-peak)
Overload behavior	Constant current

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

EFFICIENCY	
Power loss	≤ 1 W; ≤ 4 W (230 VAC; nominal load)
Max. power loss	5 W (100 VAC / 24 VDC; 1 A)
Efficiency	86 %

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FUSE PROTECTION

Internal fuse	T 2 A / 250 VAC
External fuse (required)	External DC fuse required for DC input voltage
External fuse (recommended)	Circuit breaker: 6 A, 10 A, 16 A; Tripping characteristic: B or C

GENERAL

Dimensions (WxHxL)	22.5mm x 90mm x 107.5mm
Weight	128 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 61010-1, EN 61010-2-201, EN 61204-3, EN 60335-1, UL 60950-1, UL 508, DNV, SEMI F47

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

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