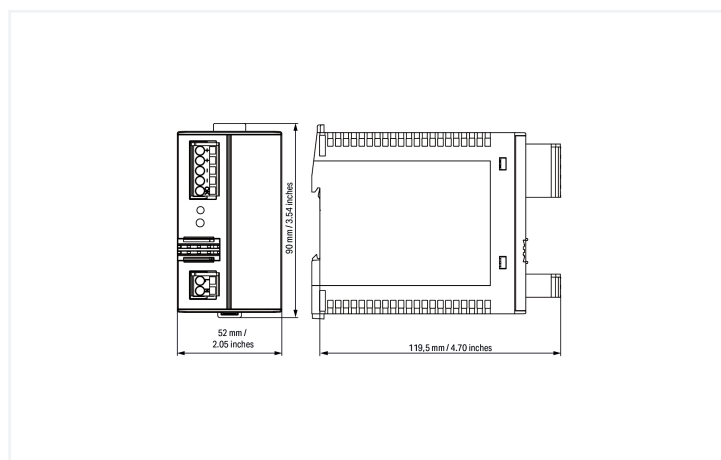


Data Sheet | Item Number: 787-1692

Switched-mode power supply; Classic; 1-phase; Output voltage: 30.5 VDC; 3 A output current; DC-OK LED; 2,50 mm²

<https://www.wago.com/787-1692>



Features:

- Switched-mode power supply
- Supplies AS-Interface fieldbus systems
- Self-cooling via natural convection in horizontal mounting position
- Encapsulated for control cabinet installation
- Electrically isolated output voltage (SELV) per EN IEC 61010-2-201 and UL 60950

Technical data

Input	
Phases	1
Nominal input voltage $U_{i\text{nom}}$	1 x 100 ... 240 VAC
Input voltage range	1 x 85 ... 264 VAC; 120 ... 372 VDC
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current I_i	≤ 1.81 A (100 VAC); ≤ 0.91 A (230 VAC)
Inrush current	≤ 30 A (NTC)
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 13 ms (100 VAC); ≥ 100 ms (230 VAC)

Output	
Nominal output voltage $U_{o\text{nom}}$	30.5 VDC (SELV)
Output voltage range	29 ... 32 VDC (adjustable)
Default Setting	30.5 VDC
Nominal output current $I_{o\text{nom}}$	3 A (AS-i compatible)
Deviation	≤ 1 %
Load regulation	≤ 1 %
Overload behavior	Constant current (without shutdown in the event of overload)

Signaling and Communication

Operation status indicator	Green LED (DC OK)
----------------------------	-------------------

Efficiency/Power Losses

Power loss P_I	≤ 2.3 W (no load); ≤ 14 W (nominal load)
Power loss (max.) $P_{I(max)}$	15 W (264 VAC / 30.5 VDC; 3 A)
Efficiency (typ.)	88 %

Circuit Protection

Internal fuse	T 4 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: C10 or B16

Safety and protection

Isolation voltage (pri.-sec.)	4.242 kVDC
Isolation voltage (pri.-PE)	2.2 kVDC
Isolation voltage (sec.-PE)	0.7 kVDC
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 63 VDC
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 40 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	No
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)

Connection Data

Note (conductor cross-section)	12 AWG: THHN, THWN
--------------------------------	--------------------

Connection 1

Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 721 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data

Width	52 mm / 2.05 inches
Height	96.5 mm / 3.78 inches
Depth from upper-edge of DIN-rail	13.5 mm / 4.06 inches

Mechanical data

Mounting type	DIN-35 rail
Mounting position	Horizontal

Material data

Fire load	0 MJ
Weight	380 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 50 °C)
Climatic category	3K3 (per EN 60721)

Standards and Specifications

Standards/specifications	EN 61558-2-16 EN 61010-1 EN 61010-2-201 EN 60335-1 EN 61204-3 EN 61140 UL 508 UL 60950 AS-Interface
--------------------------	-----------------------------------------------------------------------------------------------------------------------------

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966335330
Customs tariff number	85044083900

Product Classification

UNSPSC	39121004
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 508	E255817

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Protocol and fieldbus specific certificates



Approval	Standard	Certificate Name
AS-i AS-International Associa- tion	-	ASI_ZU-Nr. 136901

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 787-1692

