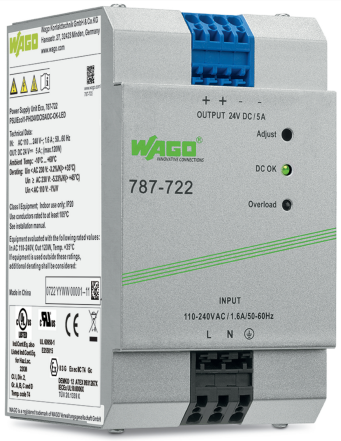
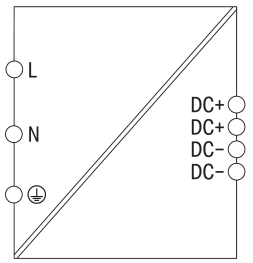
Data Sheet | Item Number: 787-722

Power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED; 4,00 mm²

https://www.wago.com/787-722





Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per UL 61010-1; PELV per EN 60204

Technical data

Input

Phases	1
Nominal input voltage $U_{i\,nom}$	1 x 110 … 240 VAC
Input voltage range	1 x 100 … 264 VAC
Nominal mains frequency range	47 … 63 Hz; 0 Hz
Input current I_i	≤ 0.7 A (230 VAC); ≤ 1.6 A (115 VAC)
Power factor correction (PFC)	Active

Output

Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Default Setting	24 VDC
Nominal output current $I_{o\,nom}$	5 A (24 VDC)
Nominal output power	120 W
Deviation	≤ 1 %
Overload behavior	Constant power (in overload range: 1.15 … 1.4 x $I_{o\,nom}$); Shutdown and automatic restart in the event of a short circuit

Signaling and Communication

Signaling	1 x DC OK LED (green) 1 x Overload LED (red)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/Power Losses

Power loss P_l	≤ 19.5 W (230 VAC; nominal load)
Power loss (max.) $P_{l\,(max.)}$	23.5 W (110 VAC / 24 VDC; 5.5 A)
Efficiency (typ.)	86 % (230 VAC)

Circuit Protection

Internal fuse	F 3.15 A / 250 VAC
Backup fuse (recommended)	Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C

Continued on next page

Safety and protection

Isolation voltage (pri.-sec., AC)	3000 V
Isolation voltage (pri.-PE, AC)	1500 V
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes

Connection Data

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

Connection 1

Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 745 Series
Solid conductor	0.08 … 4 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 4 mm² / 28 … 12 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches

Physical data

Width	75 mm / 2.953 inches
Height	92 mm / 3.622 inches
Depth from upper-edge of DIN-rail	136 mm / 5.354 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Fire load	4.8 MJ
Weight	850 g

Environmental requirements

Ambient temperature (operation)	-10 … +60 °C
Ambient temperature (storage)	-25 … +85 °C
Relative humidity	10 … 96 % (no condensation permissible)
Derating	-4 %/K (> 40 °C; 230 VAC)
Climatic category	3K3 (per EN 60721)

Continued on next page

Standards and Specifications

Conformity marking	CE; UKCA
Standards/specifications	EN 61010-1 EN 61204-3 UL 61010-1 SEMI F47 UL 121201 EN IEC 61010-2-201 UL 61010-2-201

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4045454908188
Customs tariff number	85044083900

Product Classification

UNSPSC	39121004
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Bulgaria)	c5cda720-be2e-42e5-9f2a-5ee3811607c4
SCIP notification number (Czech Republic)	36f49618-4b21-4699-af60-f1fc5941c014

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.	-	E484199
UL Underwriters Laboratories Inc.	-	E255817

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
MFD for SEMI F47 WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-722

Documentation

Bid Text

787-722	12.07.2019	xml 6.85 KB
787-722	12.07.2019	docx 21.09 KB

Instruction Leaflet

CCC Ex (Additional information)	26.04.2023	pdf 127.27 KB
Primary Switch Mode Power Supply ECO-Power	V 2.2.10 22.07.2024	pdf 229.55 KB

CAD/CAE-Data

CAD data

2D/3D Models 787-722

CAE data

EPLAN Data Portal 787-722

WSCAD Universe 787-722

ZUKEN Portal 787-722

1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-769
SCREWDRIVER; green