

- 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		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	1 x 110 ... 240 VAC	Default Setting	DC 24 V
Input voltage range	1 x 100 ... 264 VAC	Nominal output current $I_{o\ nom}$	5 A (24 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output power	120 W
Input current $I_i$	≤ 0.7 A (230 VAC); ≤ 1.6 A (115 VAC)	Deviation	≤ 1 %
Power factor correction (PFC)	Active	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		Efficiency/power losses	
Signaling	1 x LED DC OK (green) 1 x Overload LED (red)	Power loss $P_I$	≤ 19.5 W (230 VAC; nominal load)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)	Power loss (max.) $P_{I\ (max.)}$	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 fusing (recommended)	Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C



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 1
		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)




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 8.0	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	Declarations of conformity and manufacturer's declarations

		
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

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-722

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Documentation							
Bid Text				Instruction Leaflet			
787-722	12.07.2019	xml	6.85 KB	CCC Ex (Additional information)	26.04.2023	pdf	127.27 KB
787-722	12.07.2019	docx	21.09 KB	Primary Switch Mode Power Supply ECO-Power	V 2.2.10 22.07.2024	pdf	229.55 KB


CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 787-722		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