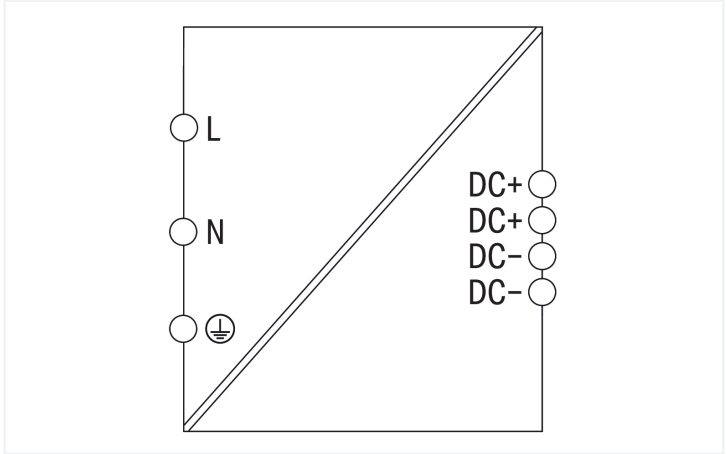




- Features:**
- Switched-mode power supply
 - Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Suitable for both parallel and series operation
 - Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204
 - DIN-35 rail mountable in different positions
 - Direct installation on mounting plate via cable grip

Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\,nom}$	1 x 100 ... 240 VAC	Output voltage range	22 ... 26 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC; 125 ... 375 VDC	Default Setting	DC 24 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\,nom}$	1.25 A (24 VDC; 110 ... 240 VAC); 1 A (24 VDC; 100 ... 240 VAC)
Input current I_i	≤ 0.3 A (230 VAC); ≤ 0.6 A (115 VAC)	Nominal output power	30 W
Discharge current	≤ 1.5 mA	Deviation	≤ 1 %
Inrush current	≤ 18 A	Residual ripple	≤ 200 mV (peak-to-peak)
Power factor correction (PFC)	Passive	Overload behavior	Constant power (in overload range: 1.05 ... 1.4 x $I_{o\,nom}$); Shutdown and automatic restart in the event of a short circuit
Mains failure hold-up time	≥ 10 ms (230 VAC)		

Signaling and communication	
Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED (U_o)

Efficiency/power losses	
Power loss P_i	≤ 6 W (230 VAC; 24 VDC; 1.25 A)
Efficiency (typ.)	87 % (230 VAC; 1.25 ADC)

Circuit protection	
Internal fuse	F 1 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: B6, B10



Safety and protection		
Isolation voltage (pri.-sec.)	DC 4.242 kV	
Isolation voltage (pri.-PE)	DC 2.2 kV	
Isolation voltage (sec.-PE)	0.7 kVDC	
Protection class	I	
Protection type	IP20; per EN 60529	
Resistance to reverse feed	≤ 30 VDC	
Overvoltage category	II	
Pollution degree	2	
Transient suppression (primary)	Varistor	
Short-circuit-protected	Yes	
Open-circuit-proof	Yes	
Parallel operation	Yes	
Series operation	Yes, for 2 devices of the same type	
MTBF	> 300,000 h (per IEC 61709)	

Connection data		
Note (conductor cross-section)	12 AWG: THHN, THWN	
		Connection 1
		Connection type 1
		Input/output
		Connection technology
		CAGE CLAMP®
		WAGO connector
		WAGO 236 Series
		Solid conductor
		0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor
		0.08 ... 2.5 mm² / 28 ... 12 AWG
		Strip length
		6 ... 7 mm / 0.24 ... 0.28 inches

Physical data		
Width	30 mm / 1.181 inches	
Height	90 mm / 3.543 inches	
Depth from upper-edge of DIN-rail	99 mm / 3.898 inches	

Mechanical data		
Mounting type	DIN-35 rail Screw mount	

Material data		
Fire load	0.129 MJ	
Weight	257 g	

Environmental requirements		
Ambient temperature (operation)	-20 ... +60 °C	
Ambient temperature (storage)	-25 ... +75 °C	
Relative humidity	10 ... 95 % (no condensation permissible)	
Derating	-4 %/K (> 45 °C)	
Climatic category	3K3 (per EN 60721)	



Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 61204-3 EN 60335-1 EN 62368-1 UL 60950-1 UL 508 SEMI F47

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143372459
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)	f8698786-e477-495b-941f-4f919d74e02a
SCIP notification number (Czech Republic)	99a56387-ebca-4ccd-ad92-657d3e95a071

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									
UL Underwriters Laboratories Inc.	UL 508	E255817									
UR Underwriters Laboratories Inc.	UL 60950-1	E255815									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>MFD for SEMI F47 WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	MFD for SEMI F47 WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
MFD for SEMI F47 WAGO GmbH & Co. KG	-	-									



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 787-1702			

Documentation

Bid Text			
787-1702	01.10.2019	xml 6.82 KB	
787-1702	01.10.2019	docx 20.55 KB	
ausschreiben.de 787-1702			

Instruction Leaflet			
ECO Power Switched-Mode Power Supplies	V 1.5 21.12.2020	pdf 250.06 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 787-1702	

CAE data	
EPLAN Data Portal 787-1702	
WSCAD Universe 787-1702	
ZUKEN Portal 787-1702	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



[Item No.: 210-831](#)
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



[Item No.: 210-832](#)
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.2 Tool

1.1.2.1 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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com