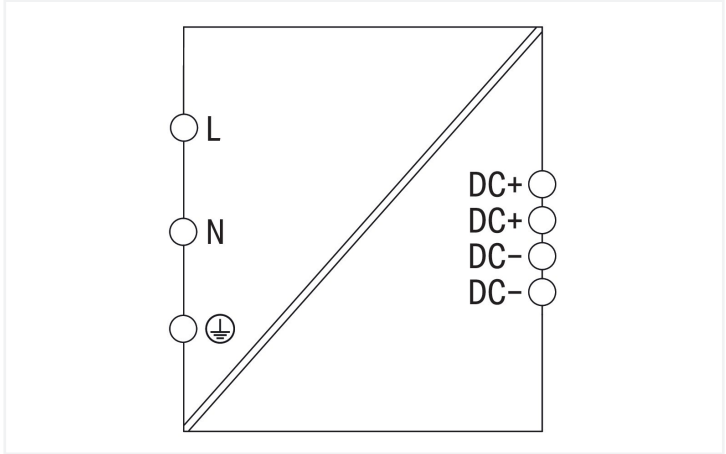




Similar to illustration



- 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; 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 $U_{o\,nom}$	12 VDC (SELV)
Nominal input voltage $U_{i\,nom}$	1 x 100 ... 240 VAC	Output voltage range	10 ... 14 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC; 125 ... 375 VDC	Default Setting	DC 12 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\,nom}$	4 A (12 VDC; 110 ... 240 VAC); 3.2 A (12 VDC; 100 ... 240 VAC)
Input current I_i	≤ 1.8 A (100 VAC)	Nominal output power	48 W
Discharge current	≤ 3.5 mA	Deviation	≤ 1 %
Inrush current	≤ 18 A	Residual ripple	≤ 150 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		Efficiency/power losses	
Signaling	1 x LED DC OK (green)	Power loss P_i	≤ 9.6 W (230 VAC; 12 VDC; 4 A)
Operation status indicator	Green LED (U_o)	Efficiency (typ.)	80 % (230 VAC; 4 ADC)

Circuit protection	
Internal fuse	F 2 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		≤ 14 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		
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
Note (conductor cross-section)		12 AWG: THHN, THWN
Physical data		
Width		40 mm / 1.575 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		250 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 61558-2-6 EN 62368-1 SEMI F47

Commercial data	
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 8.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143656030
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Bulgaria)	ba9a4dde-70b7-46d5-918c-d2e3694d1c3f
SCIP notification number (Czech Republic)	d82ac068-d9b6-4461-8538-91ca53ecf9ae

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
		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 787-1711	



Documentation				
Bid Text			Instruction Leaflet	
787-1711	01.10.2019	xml 6.77 KB	ECO Power Switched- Mode Power Supplies	V 1.4 21.12.2020 pdf 248.33 KB
787-1711	25.11.2019	docx 17.40 KB		

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1711	EPLAN Data Portal 787-1711
	ZUKEN Portal 787-1711

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