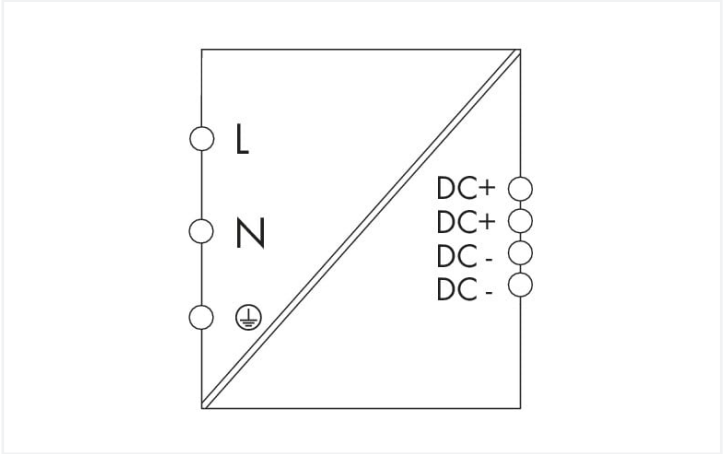




Similar to illustration

- 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 $U_{o\,nom}$	DC 12 V (SELV)
Nominal input voltage $U_{i\,nom}$	1 x AC 100 ... 240 V	Output voltage range	DC 10 ... 14 V (adjustable)
Input voltage range	1 x AC 90 ... 264 V; DC 125 ... 375 V	Default setting	DC 12 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\,nom}$	8 A (12 VDC; 110 ... 240 VAC); 6.4 A (12 VDC; 100 ... 240 VAC)
Input current I_i	≤ 3 A (100 VAC)	Nominal output power	96 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	≤ 20 W (230 VAC; 12 VDC; 8 A)
Operation status indicator	Green LED (U_o)	Efficiency (typ.)	80 % (230 VAC; 8 ADC)

Circuit protection	
Internal fuse	F 3.15 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)	DC 0.7 kV
Protection class	I
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ DC 14 V
Oversvoltage 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	60 mm / 2.362 inches
Height	130 mm / 5.112 inches
Depth from upper-edge of DIN-rail	99 mm / 3.898 inches

Mechanical data

Mounting type	DIN-35 rail Screw mount
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Material data

Fire load	0.129 MJ
Weight	520 g

Environmental requirements

Ambient temperature (operation)	-20 ... +60 °C
Ambient temperature (storage)	-25 ... +75 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	-3 %/K (> 40 °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 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143656047
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Bulgaria)	a5e63e98-4abc-449e-93f0-a25016d19c93
SCIP notification number (Czech Republic)	82bf8ab0-f59d-449e-8540-7c37edebce65

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		MFD with product refe- rence WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-1721	



Documentation				
Bid Text				Instruction Leaflet
787-1721	01.10.2019	xml 6.76 KB		Primary Switch Mode V 1.3 Power Supply ECO- 21.12.2020 Power 249.52 KB
787-1721	25.11.2019	docx 17.46 KB		

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1721	EPLAN Data Portal 787-1721
	ZUKEN Portal 787-1721

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