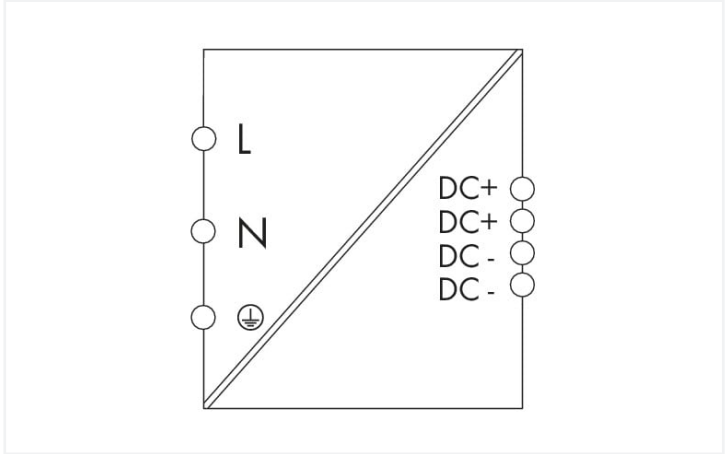




Features:

- 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 $U_{o\,nom}$	DC 24 V (SELV)
Nominal input voltage $U_{i\,nom}$	1 x AC 100 ... 240 V	Output voltage range	DC 22 ... 26 V (adjustable)
Input voltage range	1 x AC 90 ... 264 V; DC 125 ... 375 V	Default setting	DC 24 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\,nom}$	2.5 A (24 VDC; 110 ... 240 VAC); 2 A (24 VDC; 100 ... 240 VAC)
Input current I_i	≤ 0.6 A (230 VAC); ≤ 1.2 A (115 VAC)	Nominal output power	60 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	≤ 12 W (230 VAC; 24 VDC; 2.5 A)
Efficiency (typ.)	88 % (230 VAC; 2.5 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)		DC 0.7 kV
Protection class		I
Protection type		IP20; per EN 60529
Resistance to reverse feed		≤ DC 30 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		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		300 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)



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

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	4055143372466
Customs tariff number	85044083900

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 508	E255817
UL Underwriters Laboratories Inc.	UL 60950-1	E255815

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-1712



Documentation



Bid Text			
787-1712	01.10.2019	xml 6.83 KB	↓
787-1712	01.10.2019	docx 20.50 KB	↓
ausschreiben.de 787-1712			↓

Instruction Leaflet			
ECO Power Switched- Mode Power Supplies	V 1.5 21.12.2020	pdf 247.65 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1712	EPLAN Data Portal 787-1712
↓	↓
	WSCAD Universe 787-1712
	↓
	ZUKEN Portal 787-1712
	↓

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
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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
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