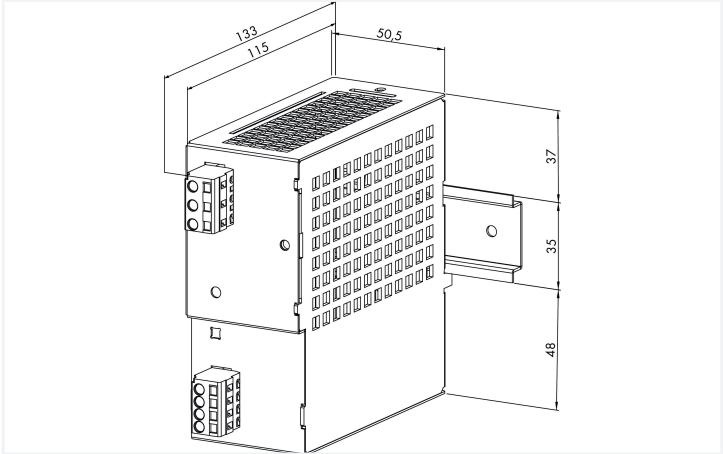
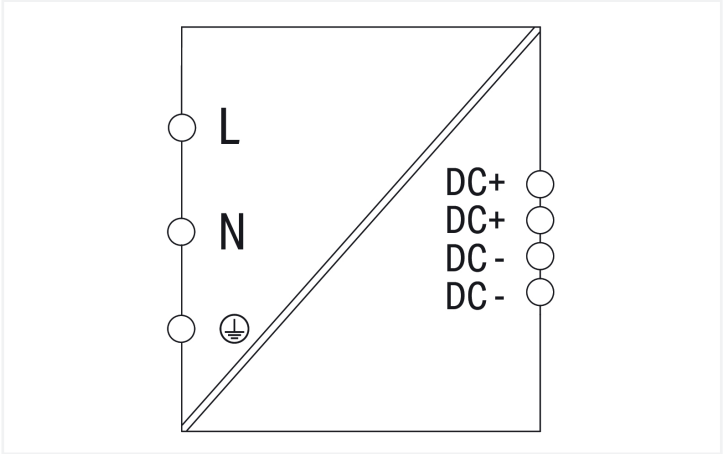




Dimensions in mm

- Features:**
- Switched-mode power supply
 - Suitable for protection class I equipment
 - Suitable for both parallel and series operation
 - Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950

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; 140 ... 300 VDC	Output voltage range	22 ... 28.8 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC; 130 ... 300 VDC	Default Setting	DC 24 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz	Nominal output current $I_{o\ nom}$	2.5 A (24 VDC)
Input current I_i	≤ 0.6 A (230 VAC)	Deviation	≤ 2 %
Discharge current	≤ 0.7 mA	Residual ripple	≤ 100 mV (peak-to-peak)
Inrush current	≤ 50 A	Current limitation	1.1 x $I_{o\ nom}$ (typ.)
Power factor correction (PFC)	Passive	Overload behavior	Constant current
Mains failure hold-up time	≥ 20 ms (230 VAC)		



Signaling and communication	
Operation status indicator	Green LED (24 V OK)

Efficiency/power losses	
Power loss P_I	$\leq 7\text{ W}$
Power loss (max.) $P_{I(\max)}$	8 W (90 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	90 %

Circuit protection	
Internal fuse	T 1.6 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: C10 or B16

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	$\leq 30\text{ VDC}$
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	Internal protective circuit $\leq 40\text{ VDC}$ (in the event of a fault)
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	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Width	51 mm / 2.008 inches
Height	120 mm / 4.724 inches
Depth from upper-edge of DIN-rail	133 mm / 5.236 inches



Mechanical data		
Mounting type		DIN-35 rail
Material data		
Fire load		4.4 MJ
Weight		612.7 g
Environmental requirements		
Ambient temperature (operation)		-10 ... +70 °C
Ambient temperature (storage)		-25 ... +85 °C
Relative humidity		30 ... 85 % (no condensation permissible)
Derating		-3 %/K (> 50 °C)
Climatic category		3K3 (per EN 60721)
Standards and specifications		
Conformity marking		CE
Standards/specifications		EN 60950-1 EN 61204-3 UL 60950 UL 508 DNV
Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		DE
GTIN		4045454435202
Customs tariff number		85044083900
End of Sale		2022-09-01
End of Production		2022-09-07
End of Delivery		2023-02-28
End of Service and Repair		2025-02-28
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

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
 					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E255817	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UR Underwriters Laboratories Inc.	UL 60950-1	E255815	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

		
Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAA00002J6

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-612	

Documentation

Bid Text				Instruction Leaflet		
787-612	13.06.2019	xml 6.70 KB		Primär getaktete Stromversorgungen CLASSIC	pdf 242.38 KB	
787-612	13.06.2019	docx 20.23 KB				



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-612	EPLAN Data Portal 787-612
	WSCAD Universe 787-612
	ZUKEN Portal 787-612