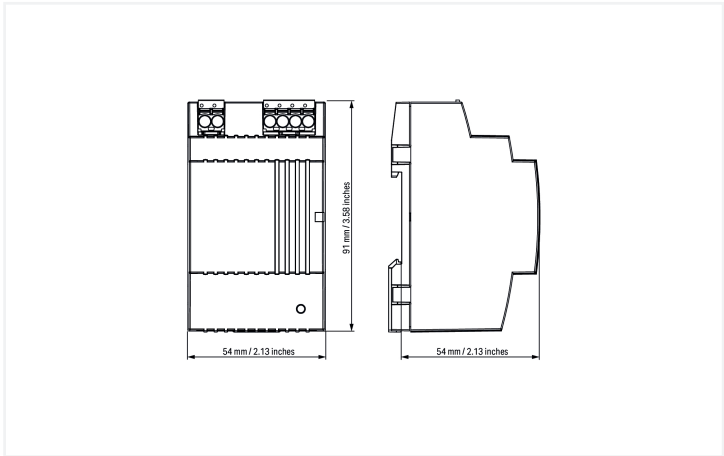
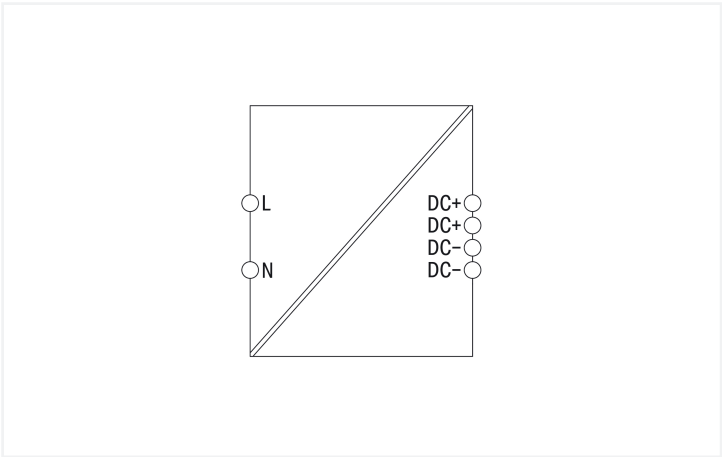




Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 61010-2-201/UL 60950-1; PELV per EN 60204

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	22.8 ... 26.4 VDC (adjustable)
Input voltage range	1 x 85 ... 264 VAC; 120 ... 300 VDC	Default Setting	24 VDC
Input voltage derating	$I_o \leq 1\ A$ (< 100 VAC)	Nominal output current $I_{o\ nom}$	1.3 A (24 VDC); 0.9 A (in any mounting position)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz	Nominal output power	31 W
Input current I_i	$\leq 0.5\ A$ (230 VAC); $\leq 0.7\ A$ (110 VAC)	Deviation	$\leq 2\ \%$
Discharge current	$\leq 1\ mA$	Residual ripple	$\leq 100\ mV$ (peak-to-peak)
Inrush current	$\leq 30\ A$ (NTC)	Current limitation	$1.1 \times I_{o\ nom}$ (typ.)
Power factor correction (PFC)	Passive	Overload behavior	Constant current
Mains failure hold-up time	$\geq 80\ ms$ (230 VAC); $\geq 10\ ms$ (110 VAC)		



Signaling and Communication	
Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U _o)

Efficiency/Power Losses	
Power loss P _I	≤ 2.6 W; ≤ 7 W (230 VAC; nominal load)
Power loss (max.) P _{I(max)}	7.3 W (100 VAC / 24 VDC; 1.3 A)
Efficiency (typ.)	82 %

Circuit Protection	
Internal fuse	T 2 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: 6 A, 10 A, 16 A; Tripping characteristic: B or C

Safety and protection	
Isolation voltage (pri.-sec.)	4.242 kVDC
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 30 VDC
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 40 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)

Connection Data	
Connection 1	
Connection type	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	picoMAX® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data	
Width	54 mm / 2.126 inches
Height	89 mm / 3.504 inches
Depth	59 mm / 2.323 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches



Mechanical data		
Housing design		DIN-rail-mount enclosure
Mounting type		DIN-35 rail

Material data		
Flammability class per UL94		V0
Fire load		0 MJ
Weight		170 g

Environmental requirements		
Ambient temperature (operation)		-25 ... +60 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)		-25 ... +80 °C
Ambient temperature UL (operation at U _N)		-25 ... +55 °C
Relative humidity		5 ... 96 % (no condensation permissible)
Derating		-3 %/K (> 45 °C)
Climatic category		3K3 (per EN 60721)

Standards and Specifications		
Conformity marking		CE
Standards/specifications		EN 61010-1 EN 61010-2-201 EN 61204-3 UL 60950-1 UL 508 DNV

Commercial data		
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		CN
GTIN		4055143421997
Customs tariff number		85044083900
End of Sale		2022-05-01
End of Production		2022-05-02
End of Delivery		2022-07-31
End of Service and Repair		2024-07-31

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 10.0		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			

Approvals for marine applications

		
Approval	Standard	Certificate Name
DNV DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00000KT

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-1102	

Documentation

Bid Text				Instruction Leaflet			
787-1102	24.06.2019	xml 6.88 KB		Primär getaktete Stromversorgungen COMPACT	pdf 318.14 KB		
787-1102	12.06.2019	docx 21.05 KB					

CAD/CAE-Data

CAE data	
EPLAN Data Portal 787-1102	
WSCAD Universe 787-1102	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Strain relief

1.1.1.1 Gripping plate



Item No.: 2092-1600
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2-pole; light gray



Item No.: 2092-1601
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

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