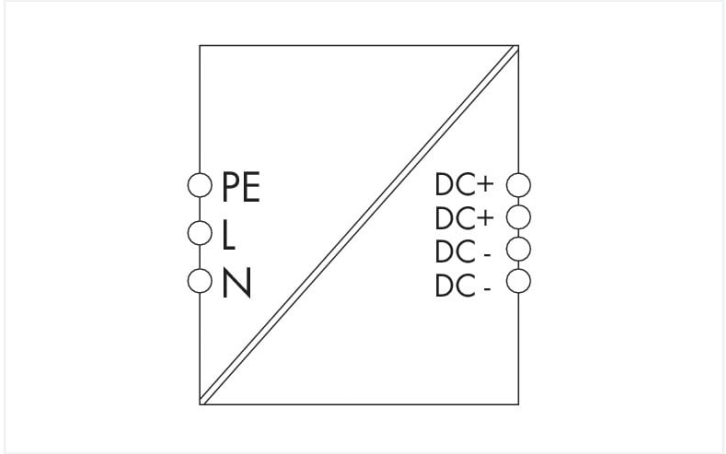




Features:

- Stepped profile for installation in standard distribution boards
- Removable front panel and screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1; PELV per EN 60204

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; DC 140 ... 340 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
Input voltage derating	-1.5 %/V (< 100 VAC)	Nominal output current $I_{o\,nom}$	2.5 A
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output power	30 W
Input current I_i	≤ 0.6 A (100 VAC; 2.5 ADC)	Deviation	≤ 1 %
Discharge current	≤ 0.25 mA	Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Inrush current	≤ 30 A (NTC)	Residual ripple	≤ 100 mV (peak-to-peak)
Power factor	≥ 0.5	Overload behavior	Constant power (in overload range: 1.05 ... 1.35 x $I_{o\,nom}$); Shutdown and automatic restart in the event of a short circuit or permanent overload
Power factor correction (PFC)	Passive		
Mains failure hold-up time	≥ 1000 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	≤ 0.5 W
Power loss (max.) $P_{i(max)}$	4.5 W (100 VAC / 12 VDC; 2.5 A)
Efficiency (typ.)	88 % (230 VAC; nominal load); 87.5 % (110 VAC; nominal load)

Circuit protection

Internal fuse	T 1 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 6 A, 10 A or higher; Tripping characteristic: B



Safety and protection		
Isolation voltage (pri.-sec.)		DC 4.242 kV
Isolation voltage (pri.-PE)		DC 2.12 kV
Protection class		I
Protection type		IP20; per EN 60529
Resistance to reverse feed		≤ DC 16 V
Overvoltage category		II
Pollution degree		2
Transient suppression (primary)		Varistor
Overvoltage protection; secondary		≤ 20 VDC (in the event of a fault)
Short-circuit-protected		Yes
Open-circuit-proof		Yes
Parallel operation		Yes, for devices of the same type
Series operation		Yes, for 2 devices of the same type
MTBF		> 3,500,000 h (at 25 C; per IEC 61709); > 800,000 h (at 40 C; per IEC 61709)

Connection data		
Connection type 1		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
Cable length (max.)		30 m

Physical data		
Width		54 mm / 2.126 inches
Height		90 mm / 3.543 inches
Depth		56 mm / 2.205 inches
Depth from upper-edge of DIN-rail		52.5 mm / 2.067 inches
Note (dimensions)		Depth: 48 mm (without cover)

Mechanical data		
Housing design		DIN-rail-mount enclosure
Mounting type		DIN-35 rail Screw mount (back/side)

Material data		
Flammability class per UL94		V0
Fire load		0 MJ
Weight		318.5 g



Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	20 ... 90 % (no condensation permissible)
Derating	-0.8 %/K (> 45 °C)
Climatic category	3K3 (per EN 60721; except for low air pressure)

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

Commercial data	
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143863308
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

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

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-1201





Documentation				
Bid Text			Instruction Leaflet	
787-1201	30.07.2019	xml 7.84 KB	Stromversorgung COMPACT	V 1.2.0 18.08.2020 pdf 2661.69 KB
787-1201	30.07.2019	docx 21.35 KB		

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1201	EPLAN Data Portal 787-1201

1 Compatible Products
1.1 Optional Accessories
1.1.1 Strain relief
1.1.1.1 Strain relief plate



[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