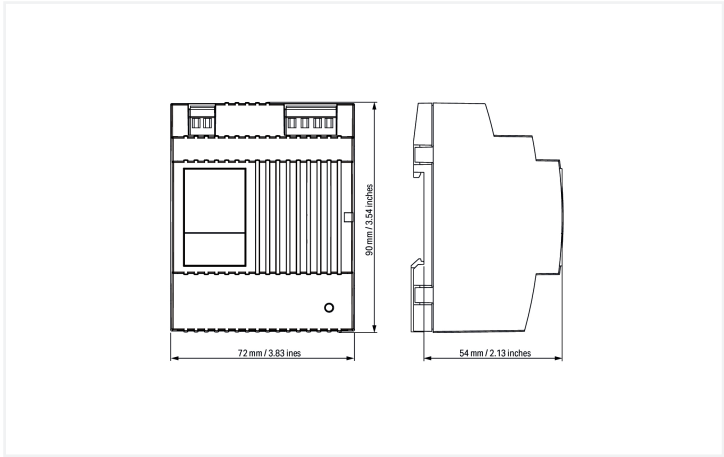
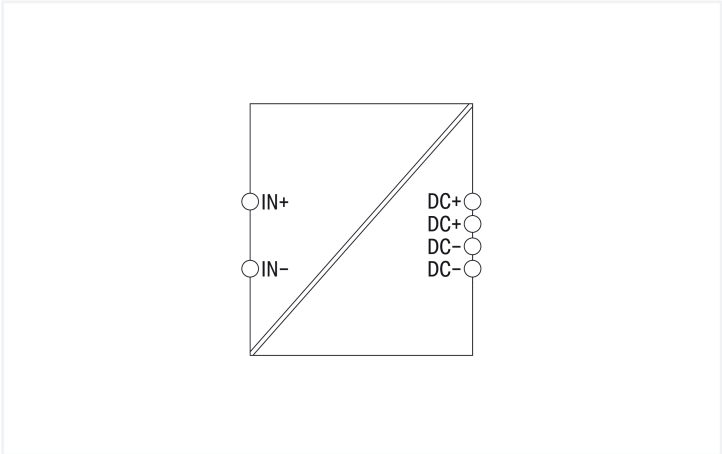




- Features:**
- Switched-mode power supply
 - Natural convection cooling when horizontally mounted
 - Stepped profile, ideal for distribution boards/boxes
 - Suitable for both parallel and series operation
 - Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1
 - Control deviation: $\pm 1\%$ ($\pm 10\%$ within the application range of EN 50121-3-2)
 - Suitable for railway applications

Technical data			
Input		Output	
Nominal input voltage $U_{i\text{ nom}}$	110 VDC	Nominal output voltage $U_{o\text{ nom}}$	24 VDC (SELV)
Input voltage range	77 ... 140 VDC	Default Setting	24 VDC
Nominal mains frequency range	0 Hz	Nominal output current $I_{o\text{ nom}}$	2 A (24 VDC); 1.6 A (in any mounting position)
Input current I_i	$\leq 0.77\text{ A}$ (77 VDC); $\leq 0.42\text{ A}$ (140 VDC)	Nominal output power	48 W
Discharge current	$\leq 1\text{ mA}$	Deviation	$\leq 1\%$
Inrush current	$\leq 30\text{ A}$ (NTC)	Residual ripple	$\leq 100\text{ mV}$ (peak-to-peak)
Mains failure hold-up time	$\geq 8\text{ ms}$ (77 VDC); $\geq 25\text{ ms}$ (140 VDC)	Current limitation	$1.1 \times I_{o\text{ nom}}$ (typ.)
		Overload behavior	Constant current

Efficiency/Power Losses	
Power loss P_I	$\leq 1.9 \text{ W}$ (110 VDC; no load); $\leq 9.9 \text{ W}$ (110 VDC; nominal load)
Power loss (max.) $P_{I(\text{max.})}$	9.9 W (77 VDC / 24 VDC; 2 A)
Efficiency (typ.)	85 %

Internal fuse	T 4 A / 125 VDC
Backup fuse (recommended)	Circuit breaker: 6 A, 10 A; Tripping characteristic: B or C

Isolation voltage (pri.-sec.)	4.242 kVDC
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	Internal protective circuit ≤ 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 1	
Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 740 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

Width	72 mm / 2.835 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
Weight	250 g

Environmental requirements

Ambient temperature (operation)	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 96 % (Coated PCB)
Derating	-1.5 %/K (> 55 °C)
Climatic category	3K3 (per EN 60721)
Resistance to shock and vibration	Category 1, Class B (per EN 61373:2010)

Standards and Specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 EN 50121-3-2 DNV
Standards/specifications (pending)	EN 50125 UL 60950 UL 508

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821819714
Customs tariff number	85044083900

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
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-1014	

Documentation

Bid Text				Instruction Leaflet			
787-1014	19.02.2019	xml 5.43 KB		Primär getaktete Stromversorgungen COMPACT	11.03.2022	pdf 1600.57 KB	
787-1014	24.06.2019	docx 18.41 KB					
787-1014	24.06.2019	pdf 74.06 KB					

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 787-1014		EPLAN Data Portal 787-1014	
		WSCAD Universe 787-1014	
		ZUKEN Portal 787-1014	



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