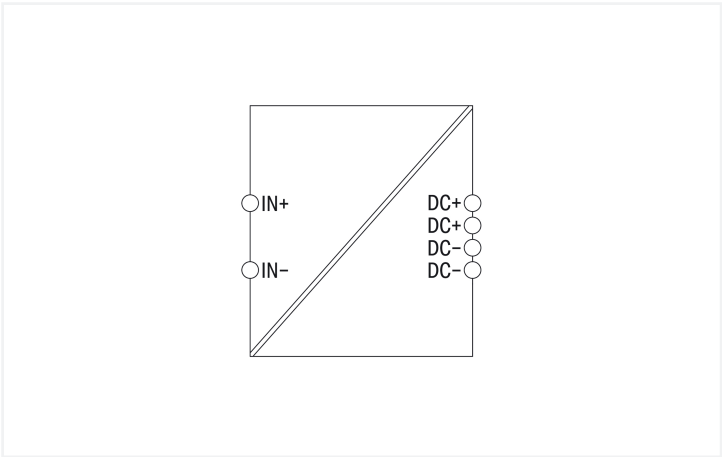
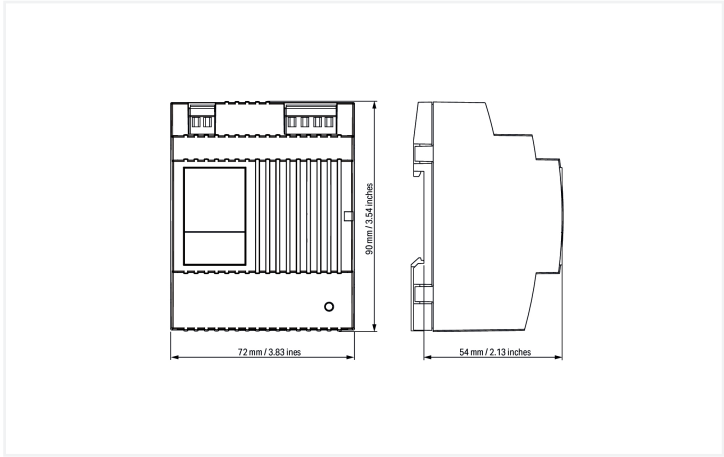




Similar to illustration



- 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: ±1 % (±10 % within the application range of EN 50121-3-2)
 - Suitable for railway applications

Technical data			
Input		Output	
Nominal input voltage $U_{i\,nom}$	72 VDC	Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Input voltage range	40 ... 90 VDC	Default Setting	24 VDC
Nominal mains frequency range	0 Hz	Nominal output current $I_{o\,nom}$	2 A (24 VDC); 1.6 A (in any mounting position)
Input current I_i	≤ 0.79 A (72 VDC)	Nominal output power	48 W
Discharge current	≤ 1 mA	Deviation	≤ 1 %
Inrush current	≤ 30 A (NTC)	Residual ripple	≤ 100 mV (peak-to-peak)
Mains failure hold-up time	≥ 8 ms (72 VDC)	Current limitation	1.1 x $I_{o\,nom}$ (typ.)



Output

Overload behavior	Constant current
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Efficiency/Power Losses

Power loss P_I	$\leq 2\text{ W}$ (72 VDC; no load); $\leq 9\text{ W}$ (72 VDC; nominal load)
Power loss (max.) $P_{I(\text{max})}$	10.5 W (40 VDC / 24 VDC; 2 A)
Efficiency (typ.)	84 %

Signaling and Communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U_o)

Circuit Protection

Internal fuse	T 4 A / 125 VDC
Backup fuse (recommended)	Circuit breaker: 6 A, 10 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	$\leq 35\text{ VDC}$
Overvoltage category	II
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	No
Series operation	Yes
MTBF	$> 500,000\text{ h}$ (per IEC 61709)

Connection Data

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

Physical data

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
Fire load	0.12 MJ
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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143256544
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 Confor- mity WAGO GmbH & Co. KG	-	-
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-1014/072-000	

Documentation

Bid Text				Instruction Leaflet			
787-1014/072-000	19.02.2019	xml 6.56 KB		Primär getaktete Stromversorgungen COMPACT	pdf 216.60 KB		
787-1014/072-000	24.06.2019	docx 18.72 KB					
787-1014/072-000	24.06.2019	pdf 74.42 KB					

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 787-1014/072-000		EPLAN Data Portal 787-1014/072-000	
		WSCAD Universe 787-1014/072-000	
		ZUKEN Portal 787-1014/072-000	



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