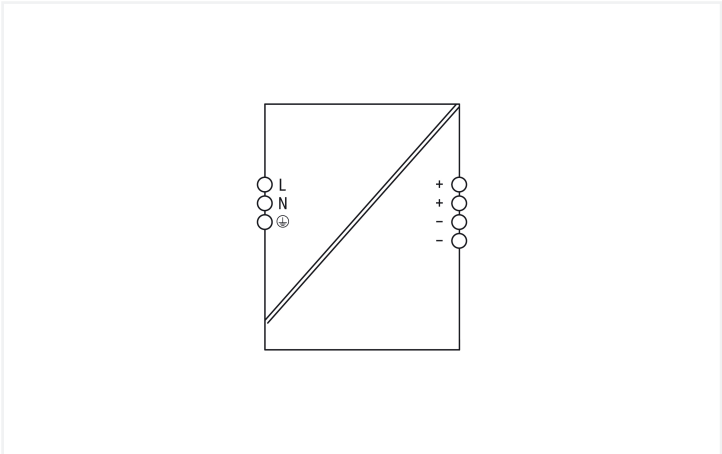




Similar to illustration

- Features:**
- Visual status indicator
 - Suitable for parallel and series operation
 - Self-cooling via natural convection in horizontal mounting position
 - Connection technology with push-in termination
 - Electrically isolated output voltage (SELV) per EN 62368-1/UL 61010-1

Technical data			
Input		Input	
Phases	1	Mains failure hold-up time	≥ 22 ms (230 VAC)
Nominal input voltage $U_{i\text{nom}}$	1 x 100 ... 240 VAC		
Input voltage range	1 x 90 ... 264 VAC (Derating -1 %/V for voltage < 100 VAC)		
Nominal mains frequency range	47 Hz / 63 Hz		
Input current I_i	≤ 3.5 A		
Inrush current	≤ 15 A (at 230 VAC / 25 °C)		
Power factor	≥ 0.98 (115 VAC); ≥ 0.94 (230 VAC)		
Power factor correction (PFC)	Active		

Output	
Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Output voltage range	23.5 ... 28 VDC (adjustable)
Default Setting	24 VDC
Nominal output current $I_{o\ nom}$	10 A (24 VDC)
Leakage current at rated voltage	$\leq 124\ \mu A$
Nominal output power	240 W
Deviation	$\leq 1\ \%$
Residual ripple	$\leq 100\ mV$ (peak-to-peak)
Overload behavior	Shutdown and automatic restart in the event of a short circuit

Signaling and Communication	
Signaling	Optical status indication (DC OK)

Efficiency/Power Losses	
Power loss P_l	$\leq 5\ W$ (230 VAC; no load); $\leq 24.6\ W$ (230 VAC; nominal load)
Efficiency (typ.)	91 %

Safety and protection	
Isolation voltage (pri.-sec., AC)	3510 V
Isolation voltage (pri.-PE, AC)	2210 V
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	III ($\leq 2000\ m$); II ($> 2000\ m$)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes, for 2 devices of the same type
Series operation	Yes, for 2 devices of the same type
MTBF	$> 1,000,000\ h$ (at 25 °C; per IEC 61709; SN 29500)

Connection Data	
Connection 1	
Connection type	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2624 Series
Solid conductor	0.2 ... 6 mm ² / 24 ... 10 AWG
Fine-stranded conductor	0.2 ... 6 mm ² / 24 ... 10 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	10 ... 12 mm / 0.39 ... 0.47 inches



Physical data		
Width		52 mm / 2.05 inches
Height		125 mm / 4.92 inches
Depth from upper-edge of DIN-rail		110 mm / 4.33 inches

Mechanical data		
Mounting type		DIN-35 rail

Material data		
Weight		752 g

Environmental requirements		
Ambient temperature (operation)		-30 ... +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)		-40 ... +85 °C
Relative humidity		5 ... 96 % (no condensation permissible)
Derating		-4.8 W/°C (> 45 °C and < 200 V); -4.8 W/°C (> 50 °C and ≥ 200 V)
Climatic category		3K3 (per EN 60721)
Operating altitude (max.)		5000 m

Standards and Specifications		
Conformity marking		CE
Standards/specifications		EN 62368-1 EN 55032 EN 55035 EN IEC 61000-3-2 EN 61000-3-3 EN IEC 61000-6-4 EN IEC 61000-6-2 UL 61010-1 UL 61010-2-201 SEMI F47 EN 61558-2-16

Commercial data		
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		CN
GTIN		4066966626490
Customs tariff number		85044083900

Product Classification		
UNSPSC		39121004
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	UL 61010-2-201	E255817	EU-Declaration of Conformity	-	-
Underwriters Laboratories Inc.			WAGO GmbH & Co. KG		
			MFD for SEMI F47	-	-
			WAGO GmbH & Co. KG		
			UK-Declaration of Conformity	-	-
			WAGO GmbH & Co. KG		

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2587-2146	

Documentation

Bid Text				Instruction Leaflet			
2587-2146	14.04.2025	docx	45.15 KB	Power Supply BASE	V 4.0.0	pdf	
					28.08.2025	734.73 KB	
2587-2146	14.04.2025	x81	7.13 KB				
							

CAD/CAE-Data

CAD data	
2D/3D Models	
2587-2146	



Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 ... 10 A; Signal contact



Electronic circuit breaker; 8-channel; 24 VDC input voltage; adjustable 1 ... 10 A; Signal contact

1.1.2.1 Operating tool



Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured