

Data Sheet | Item Number: 2587-2147

Sursă de alimentare în comutație; Bază; 1 fază; 24 V c.c. tensiune de ieșire; 20 A intensitate de ieșire; DC-OK LED

<https://www.wago.com/2587-2147>



Features:

- Optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Connection technology with push-in termination
- Electrically isolated output voltage (SELV) per EN 62368-1/UL 61010-1

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	23,5 ... 28 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC (Derating -1 %/V for voltage < 100 VAC)	Default Setting	DC 24 V
Nominal mains frequency range	50 Hz / 60 Hz	Nominal output current $I_{o\ nom}$	20 A
Input current I_i	≤ 7 A	Nominal output power	480 W
Inrush current	≤ 20 A (at 230 VAC / 25 °C)	Deviation	≤ 1 %
Power factor	≥ 0,98 (230 VAC)	Residual ripple	≤ 100 mV (peak-to-peak)
Power factor correction (PFC)	Active	Overload behavior	Shutdown and automatic restart in the event of a short circuit
Mains failure hold-up time	≥ 16 ms (230 VAC)		

Signaling and communication

Signaling	Optical status indication (DC OK)
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Efficiency/power losses

Power loss P_i	≤ 5 W (no load); ≤ 32,5 W (Full load)
Efficiency (typ.)	94 %

Circuit protection

Internal fuse	T 8 A / 250 V
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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 (≤ 2000 m); II (> 2000 m)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 1,000,000 h (at 25 °C; per IEC 61709; SN 29500)



Connection data

Connection 1	
Connection type 1	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO Serie 2626
Solid conductor	0,2 ... 10 mm² / 24 ... 8 AWG
Fine-stranded conductor	0,2 ... 10 mm² / 24 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0,25 ... 6 mm²
Fine-stranded conductor; with uninsulated ferrule	0,25 ... 6 mm²
Strip length	13 ... 15 mm / 0.51 ... 0.59 inci

Physical data

Width	56 mm / 2.2 inci
Height	125 mm / 4.92 inci
Depth from upper-edge of DIN-rail	138 mm / 5.43 inci

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
Weight	1149 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	-9.6 W/°C (> 45 °C and < 200 V); -9.6 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



Commercial data		
PU (SPU)		1 Buc.
Packaging type		Box
Country of origin		CN
GTIN		4066966626698
Customs tariff number		85044083900

Product classification		
UNSPSC		39121004
ETIM 9.0		EC002540
ETIM 8.0		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
	Standard	Certificate Name
	UL Underwriters Laboratories Inc.	UL 61010-2-201 E255817
		Approval
		Standard
		Certificate Name
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG