



Attention: Product details may be subject to change

Item description

Features:

- Signal output, optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted

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Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- Fast and tool-free termination via lever-actuated terminals with push-in connection technology
- Electrically isolated output voltage (SELV/PELV) per EN 61010/UL 61010
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Data

Technical data

Input

Phases	1
Nominal input voltage [V]	1 x AC 100 ... 240 V
Input voltage range	AC 90 ... 264 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz
Input current I_i	≤ 0.65 A (230 VAC; Nominal load); ≤ 1.4 A (100 VAC; Nominal load)
Inrush current	≤ 20 A (after 1 ms)
Power factor correction (PFC)	Active
Mains failure hold-up time	≥ 20 ms (230 VAC)

Output

Nominal output voltage [V]	DC 24 V (SELV)
Output voltage range	DC 23 ... 28 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{ nom}}$	5 A (24 VDC)
Nominal output power	120 W
Control deviation	≤ 1 %
Residual ripple	≤ 75 mV (Peak-to-peak)
Overload behavior	Constant current up to 105 %; Shutdown and automatic restart in the event of a short circuit

Signaling and communication

Signaling	Optical status indication (Overload) Optical status indication (DC OK) Digital signal output (DO)
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Efficiency/power losses

Power loss P_i	≤ 3 W (No load); ≤ 12 W (Nominal load)
Efficiency (typ.)	90 %

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Circuit protection

Internal fuse	T 3.15 A / 250 VAC
Recommended backup fusing	16 A (for USA/Canada: 15 A)

Safety and protection

Isolation voltage (pri.-sec., AC)	3,510 V
Isolation voltage (pri.-GND, AC)	2,200 V
Isolation voltage (Sec.-GND)	DC 0.5 kV
Isolation voltage (Sec.-Signal)	DC 0.5 kV
Protection class	I
Protection type	IP20 (per EN 60529)
Overvoltage category	III (≤ 2000 m ü. N.N.); II (> 2000 m ü. N.N.)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	$> 1,000,000$ h (per IEC 61709)

Connection data

Connection type (1)	Input/output/signaling
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG

Physical data

Width	38 mm / 1.496 inch
Height	100 mm / 3.937 inch
Depth from upper edge of DIN-rail	130 mm / 5.118 inch

Mechanical data

Mounting type	DIN-35 rail
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Material data

Weight	650 g
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Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C (Device starts at -40 °C (type-tested))
Surrounding air temperature (storage)	-40 ... 85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	See type label
Operating altitude (max.)	5000 m

Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201

Installation Notes

Product family

Eco 2

[Show all products from the family](#)

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