



Communication

Communication interface, can be used with WAGO USB Communication Cable (750-923) or WAGO IO-Link Communication Module (2789-9080)

Efficiency/Power losses:

Power loss P_l	$\leq 1,3$ W (Stand-by); $\leq 2,6$ W (No load); ≤ 24 W (230 VAC; Nominal load)
Efficiency (typ.)	95,4 % (230 VAC; 20 ADC; 25 °C)

Fuse protection:

Internal fuse	T 10 A / 250 VAC
External fuse (required)	An external DC fuse is required for the DC input voltage.
External fuse (recommended)	16 A (for USA/Canada: 15 A)

Safety and protection:

Insulation voltage (SEC-GND)	DC 0,5 kV
Insulation voltage (SEC-Signal)	DC 0,5 kV
Protection class	I
Protection class	IP20 (per EN 60529)
Feedback voltage	\leq DC 35 V
Overvoltage category	III (≤ 2000 m a. s.l.); II (> 2000 m a. s.l.)
Transient protection, primary	Yes
Overvoltage protection, secondary	Internal protective circuit ≤ 35 VDC (in the event of a fault)
Short circuit protection	Yes
No-load proof	Yes
Parallel operation	Yes
Series connection	Yes
MTBF	$> 800,000$ h (per IEC 61709)

Connection data

Connection type (1)	Input/Signaling
Connection technology	CAGE CLAMP®
WAGO terminal	WAGO 721 Series
Solid conductor	0,08 ... 2,5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0,08 ... 2,5 mm ² / 28 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0,25 ... 1,5 mm ² / 20 ... 16 AWG

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

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Fine-stranded conductor with ferrule without plastic collar	0,25 ... 2,5 mm ² / 20 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Connection type (2)	Output
Connection technology 2	Push-in CAGE CLAMP®
WAGO terminal 2	WAGO 831 Series
Solid conductor (2)	0,5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor (2)	0,5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor with insulated ferrule (2)	0,5 ... 6 mm ² /
Fine-stranded conductor with uninsulated ferrule (2)	0,5 ... 6 mm ² /
Strip length (2)	13 ... 15 mm / 0.51 ... 0.59 inch

Geometrical Data

Width	70 mm / 2.756 inch
Height	130 mm / 5.118 inch
Length from upper-edge of DIN-35 rail	130 mm / 5.118 inch
Note on dimensions	Height without connector Height with connector: 169 mm

Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
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Material Data

Weight	1450 g
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Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C (Device starts at -40 °C (type-tested))
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-1 %/V (> +40 °C and U _i < 100 VAC); -3 %/K (> +55 °C and U _i < 230 VAC); -3 %/K (> +60 °C and U _i ≥ 230 VAC); -5 %/V (U _o > 24 VDC)
Pollution degree	2
Climatic category	3K3 (per EN 60721)
Max. operating altitude	5000 m

Standards and specifications

Conformity marking	CE
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