	Digital signal input and output (DI/DO)
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	≤ 1,5 W (Stand-by); ≤ 2,4 W (No load); ≤ 40 W (230 VAC; Nominal load)
Efficiency (typ.)	96,1 % (230 VAC; 40 ADC; 25 °C); 96,3 % (AC 230 V; 30 A; 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	≤ 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	> 900,000 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 mm² / 28 … 12 AWG
Fine-stranded conductor	0,08 … 2,5 mm² / 28 … 12 AWG

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

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Fine-stranded conductor with ferrule with plastic collar	0,25 … 1,5 mm² / 20 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 … 2,5 mm² / 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 mm² / 20 … 8 AWG
Fine-stranded conductor (2)	0,5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor with insulated ferrule (2)	0,5 … 6 mm² /
Fine-stranded conductor with uninsulated ferrule (2)	0,5 … 6 mm² /
Strip length (2)	13 … 15 mm / 0.51 … 0.59 inch

Geometrical Data

Width	120 mm / 4.724 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)

Material Data

Weight	1900 g

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	-3 %/K (> +55 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)
Max. operating altitude	5000 m

Standards and specifications

Conformity marking	CE

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