



## 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  $P_1$  $\leq 1,5$  W (Stand-by);  $\leq 2,4$  W (No load);  $\leq 40$  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

 $\leq$  DC 35 V

Overvoltage category

III ( $\leq 2000$  m a. s.l.); II ( $> 2000$  m a. s.l.)

Transient protection, primary

Yes

Overvoltage protection, secondary

Internal protective circuit  
 $\leq 35$  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 mm<sup>2</sup> / 28 ... 12 AWG

Fine-stranded conductor

0,08 ... 2,5 mm<sup>2</sup> / 28 ... 12 AWG

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

WAGO Kontakttechnik GmbH &amp; Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



Fine-stranded conductor with ferrule with plastic collar	0,25 ... 1,5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 ... 2,5 mm <sup>2</sup> / 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 <sup>2</sup> / 20 ... 8 AWG
Fine-stranded conductor (2)	0,5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG
Fine-stranded conductor with insulated ferrule (2)	0,5 ... 6 mm <sup>2</sup> /
Fine-stranded conductor with uninsulated ferrule (2)	0,5 ... 6 mm <sup>2</sup> /
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)
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### Material Data

Weight	1900 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	-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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WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
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 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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