

RS
RS16ES-L H/Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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The digital direct input/output interfaces are supplied with flat cable connectors to facilitate connection. They are available in tension clamp or clamping yoke connection, with elements such as fuses, disconnectors or LEDs.

General ordering data

Type	RS16ES-L H/Z
Order No.	9447710000
Version	Interface, RS, LED, 1-wire, Tension clamp connection
GTIN (EAN)	4032248253166
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	81 mm	Width	87 mm
Height	72 mm	Net weight	158 g

Temperatures

Operating temperature	-25...+50°C	Storage temperature	-40...+60 °C
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General data

LED status display per channel	green	Disconnection per channel	No
Fuse per channel	No	LED status of the supply voltage	yellow
Power supply fuse	3.15 A	Common pole polarity	No

Connection data

Connection to PLC	HE 10 connector - 20 pole	Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 4165 1
Number of poles (control side)	20-pole plug	Connection (field side)	LMNZF 5.08mm
Wiring system	1-wire		

Ratings data

Operating voltage	24 V DC $\pm$ 10%	Max. current per channel	1 A
Total operating current	2 A		

Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	< 50 V AC
Surge voltage category	III	Pollution severity level	2
Insulation test voltage	0.35 kVAC		

Connection field

Type of connection	Tension clamp connection	Clamping range, min.	0.14 mm ²
Clamping range, max.	1.5 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	1.5 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible with sleeve, max.	1.5 mm ²
Min. wire cross-section, AWG [field]	AWG 26	Max. wire cross-section, AWG [field]	AWG 14
Stripping length	7 mm		

Supply connection

Type of connection	Tension clamp connection	Clamping range, min.	0.14 mm ²
Clamping range, max.	1.5 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	1.5 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible with sleeve, max.	1.5 mm ²
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 14
Stripping length	7 mm		

Classifications

ETIM 3.0	EC001423	UNSPSC	30-21-18-01
eClass 5.1	27-24-22-08	eClass 6.2	27-24-22-08
eClass 7.1	27-24-22-08		

Data sheet**RS**
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Approvals



ROHS

Conform

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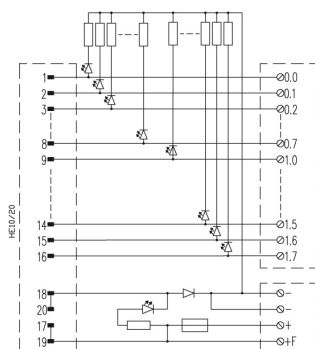
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Drawings



The wiring diagram corresponds to the version with LEDs.