

**RS**  
**RS16ES-T-L H/Z****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

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-T-L H/Z
Order No.	<a href="#">9447770000</a>
Version	Interface, RS, LED, 3-wire, Tension-clamp connection
GTIN (EAN)	4032248253197
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Length	110 mm	Length (inches)	4.331 inch
Width	87 mm	Width (inches)	3.425 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	197 g		

**Temperatures**

Operating temperature, max.	50 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-25...50 °C	Storage temperature	-40...60 °C

**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	Yes

**Connection data**

Connection to PLC	HE 10 connector - 20 pole	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Number of poles (control side)	20-pole plug	Connection (field side)	LMNZF 5.08mm
Wiring system	3-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 <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 14
Stripping length	7 mm		

**Supply connection**

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

**Data sheet**

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**Classifications**

ETIM 3.0	EC001423	ETIM 4.0	EC001423
ETIM 5.0	EC001423	ETIM 6.0	EC002780
UNSPSC	30-21-18-01	eClass 5.1	27-24-22-08
eClass 6.2	27-24-22-08	eClass 7.1	27-14-11-52
eClass 8.1	27-14-11-52	eClass 9.0	27-14-11-52
eClass 9.1	27-24-22-16		

**Approvals**

Approvals



ROHS Conform

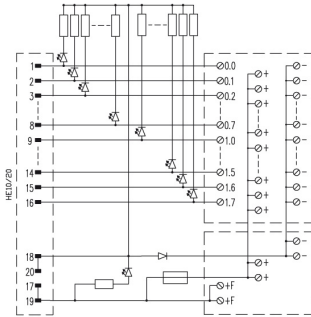
**Downloads**

Engineering Data [WSCAD](#)

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**Drawings**



The wiring diagram corresponds to the version with LEDs.