

RS 16IO 1W I-L H S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

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

Version	Interface, RS, Spacer, LED, 1-wire, Screw connection
Order No.	9445810000
Type	RS 16IO 1W I-L H S
GTIN (EAN)	4032248252985
Qty.	1 pc(s).

Creation date September 18, 2022 4:56:27 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

RS 16IO 1W I-L H S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	72 mm	Depth (inches)	2.835 inch
Height	87 mm	Height (inches)	3.425 inch
Width	110 mm	Width (inches)	4.331 inch
Net weight	254 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
---------------------	-------------	-----------------------	-------------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a
------------	----------------	------	--------------------------------------

General data

LED status display per channel	green	Disconnection per channel	Yes
Type of test point	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 (field side)	LP 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN4 1651
Number of poles (control side)	20-pole plug	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
Pulse voltage test (1,2/50 μ s)	0.8 kV	Insulation test voltage	0.35 kVAC

Connection field

Clamping range, max.	6 mm ²	Clamping range, min.	0.13 mm ²
Flexible with sleeve, max.	2.5 mm ²	Flexible with sleeve, min.	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection		

RS 16IO 1W I-L H S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Supply connection**

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Ferrule with plastic collar, max.	2.5 mm ²
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ECLASS 9.0	27-14-11-52
ECLASS 9.1	27-24-22-16	ECLASS 10.0	27-14-11-52
ECLASS 11.0	27-14-11-52	ECLASS 12.0	27-14-11-52

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity Declaration of Conformity
Engineering Data	WSCAD
Product Change Notification	20220525 Technical change to RS and RSM
Catalogues	Catalogues in PDF-format