RS 16IO 1W L H Z

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, LED, 1-wire, Tension-clamp connection
Order No.	1311770000
Type	RS 16IO 1W L H Z
GTIN (EAN)	4050118114133
Qty.	1 pc(s).

Creation date May 8, 2025 5:16:43 PM CEST

RS 16IO 1W L H Z

Technical data

Dimensions and weights

Depth	72 mm	Depth (inches)	2.835 inch
Height	87 mm	Height (inches)	3.425 inch
Width	46 mm	Width (inches)	1.811 inch
Net weight	114 g		

Temperatures

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

General data

LED status display per channel	green	Disconnection per channel	No
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	No		

Connection data

Connection (field side)		Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
	LM2NZF 5.08mm		
Number of poles (control side)	20-pole plug	Wiring system	1-wire

Ratings data

Operating voltage	24 V DC ± 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 (1,2/50µs)	0.8 kV	Insulation test voltage AC	0.35 kV

Connection field

Clamping range, max.	2.5 mm²	Clamping range, min.	0.13 mm²
Flexible with sleeve, max.	2.5 mm²	Flexible with sleeve, min.	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Max. wire cross-section, AWG	AWG 14	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm²	Solid, max. H05(07) V-U	1.5 mm²
Solid, min. H05(07) V-U	0.5 mm²	Stripping length	7 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Tension-clamp connection		

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm²
Clamping range, max.	2.5 mm²	Solid, min. H05(07) V-U	0.5 mm²
Solid, max. H05(07) V-U	1.5 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	1.5 mm²	Flexible with sleeve, max.	1.5 mm²
Flexible with sleeve, min.	0.5 mm²	Ferrule with plastic collar, max.	1.5 mm²
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
Stripping length	6 mm		

Creation date May 8, 2025 5:16:43 PM CEST

RS 16IO 1W L H Z

Technical data

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	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
ECLASS 13.0	27-14-11-52	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

Approvals

Approvals	CE
Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Downloads

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

Creation date May 8, 2025 5:16:43 PM CEST

RS 16IO 1W L H Z

Drawings

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

4