

RS 16IO 3W I R 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, 3-wire, Screw connection
Order No.	9441600000
Type	RS 16IO 3W I R S
GTIN (EAN)	4008190981082
Qty.	1 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

Dimensions and weights

Depth	84 mm	Depth (inches)	3.3071 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	116 mm	Width (inches)	4.5669 inch
Net weight	380 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

Rated data UL

Rated current IN	1 A	Operating temperature UL, min.	0 °C
Operating temperature UL, max.	25 °C	Rated current I _{max}	1 A
Rated voltage UN	142 V	Rated voltage DC UN (supply)	24 V
Rated current (supply)	3 A	Rated voltage fuse UN (supply)	250 V
Rated current fuse (supply)	3.15 A		

General data

LED status display per channel	No	Disconnection per channel	Yes
Type of test point	No	Fuse per channel	No
LED status of the supply voltage	No	Power supply fuse	3.15 A
Common pole polarity	Yes		

Connection data

Number of poles (control side)	24-pole female	Wiring system	3-wire
Connection (field side)	LL3R 5.08 mm	Connection on control side	Connector RSV 1.6

Ratings data

Operating voltage	150 V UC	Max. current per channel	1 A
Total operating current	3 A		

Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	250 V AC
Surge voltage category	II	Pollution severity level	2

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Pulse voltage test (1,2/50µs)	1.5 kV	Insulation test voltage AC	1.1 kV
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Connection field

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

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²		

Classifications

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

Drawings

