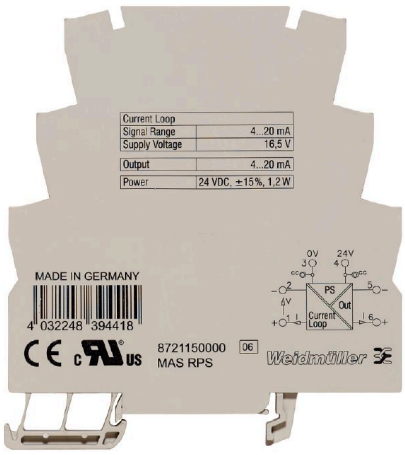
Data sheet

MAS RPS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Only remaining stock available, Do not use product for new developments





General ordering data

Version	MICROSERIES, Supply isolator
Order No.	8721150000
Type	MAS RPS
GTIN (EAN)	4032248394418
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2024-10-29T00:00:00+01:00
Alternative product	ACT20M-AI-AO-S

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E175400
Certificate no. (cULus)	E345958

Dimensions and weights

Depth	88 mm	Depth (inches)	3.4646 inch
Height	97.8 mm	Height (inches)	3.8504 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Length	88 mm	Length (inches)	3.4646 inch
Net weight	48 g		

Temperatures

Storage temperature	-25 °C...85 °C	Operating temperature	0 °C...55 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	450 a

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	4c08c934-ef45-4df2-8269-ccadfff1d702

Input

Sensor	2-wire	Number inputs	1
Sensor supply	16.5 V / constant for 3 – 22 mA	Input current	4...20 mA

Output

Number of outputs	1	Load impedance current	≤ 500 Ω
Offset current	<30 µA	Output current	4...20 mA
Output signal limit	22...25 mA		

General data

Accuracy	<0,1 %	Protection degree	IP20
Supply voltage	24 V DC ± 15 %	Step response time	≤ 2 ms
Mounting rail	TS 35	Power consumption	ca. 1 W
Temperature coefficient	≤ 50 ppm/K	Nominal power consumption	1.5 VA
Configuration	none		

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Insulation coordination

EMC standards	DIN EN 61326 Class B	Surge voltage category	II
Pollution severity	2	Galvanic isolation	3-way isolator
Insulation voltage	1.5 kVeff	Rated voltage	300 V

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2.5 mm²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 9.0	27-21-01-20
ECLASS 9.1	27-21-01-20	ECLASS 10.0	27-21-01-20
ECLASS 11.0	27-21-01-20	ECLASS 12.0	27-21-01-20
ECLASS 13.0	27-21-01-20	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

Tender specification sheets

Long specification	Standard signal supply isolator 1-channel supply isolator in 6.1 mm width with external power supply and sensor supply, for transmitting and isolating analogue DC current signals from 4 to 20 mA Add-on housing for TS35 rail mounting Dimensions: L/W/H 88/ 6.1/ 97.8 mm Screw connection / Nominal cross-section 1.5 mm2 Protection degree: IP 20 Input 4...20 mA Output 4...20 mA 0...10 V 2-wire Sensor supply 16.5 V/ const. at 3...22 mA Load resistance Current / voltage < 500 Ohm> 10 kOhm Transmission error < 0,1 % v. E. Step response time (10...90 %) < 2 ms Auxiliary power 24 VDC +/- 15 % Power loss approx. 1 W Ambient temperature range 0°C... +55 °C	Short specification	Standard signal supply isolator 1-channel supply isolator in 6.1 mm width with external power supply and sensor supply, for transmitting and isolating analogue DC current signals from 4 to 20 mA

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Technical data

Isolation	EN 50178, 3-way isolation up to 2.5 kV AC/DC of all circuits against each other
Test voltage	1.5 kV input against output against auxiliary power
Rated voltage	600 V AC/DC at overvoltage category II and pollution degree 2
Approvals	cULus, cULusEX, ATEX Zone2
Type	MAS RPS

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Drawings

Electric symbol

