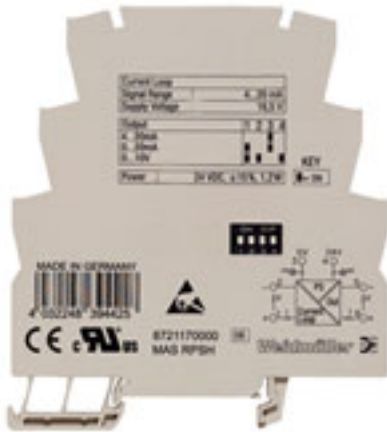


MAS RPSH

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. | 8721170000 |
| Type | MAS RPSH |
| GTIN (EAN) | 4032248394425 |
| Qty. | 1 Stück |

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Technische Daten

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Height | 97.8 mm | Height (inches) | 3.85 inch |
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Length | 88 mm | Length (inches) | 3.465 inch |
| Net weight | 47 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|--------------|
| Storage temperature | -25 °C...85 °C | Operating temperature | 0 °C...55 °C |
| Operating temperature, min. | 0 °C | Operating temperature, max. | 55 °C |

Probability of failure

| | |
|------|-----------|
| MTTF | 450 Years |
|------|-----------|

Input

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

Output

| | | | |
|------------------------|----------------------|------------------------|----------------------------|
| Load impedance current | ≤ 500 Ω | Number of outputs | 1 |
| Offset current | < 30 μA | Offset voltage | < 30 mV |
| Output current | 0...20 mA, 4...20 mA | Output signal limit | 22...25 mA or 11... 12.5 V |
| Output voltage, note | 0...10 V | load impedance voltage | ≥ 10 kΩ |

General data

| | | | |
|---|--------------------------------------|--------------------|----------------|
| Accuracy | $I_{OUT} < 0.1 \% / U_{OUT} < 0.2\%$ | Configuration | DIP switch |
| Current-carrying capacity of cross-connect. | ≤ 20 A | Galvanic isolation | 3-way isolator |
| Input/Output | 4...20 mA / 0(4)...20 mA, 0...10V | Power consumption | ca. 1 W |
| Rail | TS 35 | Step response time | ≤ 2 ms |
| Temperature coefficient | ≤ 50 ppm/K | Voltage supply | 24 V DC ± 15 % |

Insulation coordination

| | | | |
|--------------------|-----------------------|------------------------|----------------|
| EMC standards | DIN EN 61326 Class B | Galvanic isolation | 3-way isolator |
| Insulation voltage | 2.5 kV _{eff} | Pollution severity | 2 |
| Rated voltage | 600 V | Surge voltage category | II |

Connection data

| | | | |
|----------------------|---------------------|----------------------------------|---------------------|
| Type of connection | Screw connection | Clamping range, rated connection | 1.5 mm ² |
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 2.5 mm ² |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002653 | ETIM 7.0 | EC002653 |
| ETIM 8.0 | EC002653 | ECLASS 9.0 | 27-21-01-20 |
| ECLASS 9.1 | 27-21-01-90 | ECLASS 10.0 | 27-21-01-20 |
| ECLASS 11.0 | 27-21-01-20 | ECLASS 12.0 | 27-21-01-20 |

Erstellungs-Datum May 26, 2023 4:11:05 PM CEST

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Technische Daten

Tender specification sheets

Long specification

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
V AC/DC at overvoltage
category II and
pollution degree 2
Approvals cULus,
cULusEX, ATEX Zone2

Short specification

600

Standard signal
supply isolator, HART
transparent
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
4/4 to 20 mA

Type
MAS RPSH

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 4c08c934-ef45-4df2-8269-ccadfff1d702 |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, EPLAN |
| User Documentation | Instruction sheet |
| Catalogues | Catalogues in PDF-format |

Datenblatt

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Zeichnungen

Electric symbol

