

# Product data sheet

Specifications



## insulation control relay - for AS-Interface cabling system - 29.5..31.6 V DC

RM0PAS101

⚠ Discontinued on: Jun 1, 2016

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### Main

Range Of Product	AS-Interface cabling system
Product Or Component Type	Insulation control relay
Additional Information	Supplied with an impedance adaptor
Supply	Via AS-Interface line
Number Of Outputs	2 relay 1 NO)

### Complementary

[Ue] Rated Operational Voltage	29.5...31.6 V DC measuring input 50 V DC output relay
Average Consumption In Ma	50 mA 30 V
Response Time	< 20 ms opening of relay contacts measuring input < 5 ms AS-Interface communication interrupt measuring input
Input Detection Threshold	< 15 kOhm AS-i + Earth < 7 kOhm AS-i - Earth
[Ith] Conventional Free Air Thermal Current	5 A 24 V
Line Rated Current	2 A 13 V, U/R = 10 ms 5 A 12 V
Current Consumption	13 mA 24 V test input and reset input
Voltage State 1 Guaranteed	> 11 V test input and reset input
Current State 1 Guaranteed	>= 5 mA test input and reset input)
Voltage State 0 Guaranteed	< 5 V test input and reset input
Current State 0 Guaranteed	<= 2 mA test input and reset input)
[Ui] Rated Insulation Voltage	2000 V between terminals and mounting rails
Installation Category	II IEC 60664
Fixing Mode	Clip-on (35 x 15 mm symmetrical DIN rail on chassis) Clip-on (35 x 15 mm symmetrical DIN rail on mounting plate) Clip-on (35 x 7.5 mm symmetrical DIN rail on chassis)
Electrical Connection	Screw terminal block 1 x 0.09...1 x 1.5 mm² AWG 28...AWG 16, flexible with cable end Screw terminal block 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14, flexible without cable end Screw terminal block 1 x 0.14...1 x 4 mm² AWG 26...AWG 12, solid Screw terminal block 2 x 0.09...2 x 0.75 mm² AWG 28...AWG 20, flexible with cable end Screw terminal block 2 x 0.2...2 x 2.5 mm² AWG 24...AWG 14, solid
Tightening Torque	5.31 lbf.in (0.6 N.m) flat Ø 3.5 mm

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



Width	3.54 in (90 mm)
Height	2.99 in (76 mm)
Depth	2.28 in (58 mm)
Local Signalling	for output relays energised 1 LED (green) for reset input at state 1 1 LED (green) for supply to relay on and no fault present 1 LED (green) for insulation fault, polarity AS-Interface - 1 LED (red) for insulation fault, polarity AS-Interface + 1 LED (red) for test input at state 1 1 LED (yellow)
Net Weight	0.57 lb(US) (0.26 kg)

## Environment

Product Certifications	AS-Interface No 16701
Standards	IEC 61131-2 Type 2 EN/IEC 60204-2 EN/IEC 60204-1
Ip Degree Of Protection	IP2X conforming to IEC 60529
Resistance To Incandescent Wire	1382 °F (750 °C) 30 s IEC 60695-2-1
Shock Resistance	15 gn 11 ms IEC 60068-2-27
Vibration Resistance	0.7 gn 5...100 Hz)IEC 60068-2-6
Resistance To Electrostatic Discharge	6 kV on contact IEC 61000-4-2 8 kV in open air IEC 61000-4-2
Resistance To Radiated Fields	13.72 V/m (15 V/m) 80...1000 Hz IEC 61000-4-3
Resistance To Fast Transients	1 kV on the inputs IEC 61000-4-4 2 kV AS-Interface IEC 61000-4-4
Ambient Air Temperature For Operation	23...140 °F (-5...60 °C)
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Pollution Degree	2 IEC 60654

## Ordering and shipping details

Category	18325-SERIPLEX SOFTWARE&CABLES DISC SPX2
Discount Schedule	SPX2
Gtin	00785901449768
Returnability	No
Country Of Origin	LV

## Contractual warranty

Warranty	18 months
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