

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, each with 1 NO contact(s)

Complementary

[Ue] rated operational voltage	50 V DC for output relay 29.5...31.6 V DC for measuring input
Average consumption in mA	50 mA at 30 V
Response time	< 5 ms for AS-Interface communication interrupt (measuring input) < 20 ms for opening of relay contacts (measuring input)
Input detection threshold	< 7 kOhm for AS-i - Earth < 15 kOhm for AS-i + Earth
[Ith] conventional free air thermal current	5 A at 24 V
[In] rated current	5 A at 12 V 2 A at 13 V, U/R = 10 ms
Current consumption	13 mA at 24 V for 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 conforming to IEC 60664
Fixing mode	Clip-on, mounting on 35 x 7.5 mm symmetrical DIN rail on chassis Clip-on, mounting on 35 x 15 mm symmetrical DIN rail on mounting plate Clip-on, mounting on 35 x 15 mm symmetrical DIN rail on chassis
Electrical connection	Screw terminal block, clamping capacity: 2 x 0.2...2 x 2.5 mm² AWG 24...AWG 14, solid Screw terminal block, clamping capacity: 2 x 0.09...2 x 0.75 mm² AWG 28...AWG 20, flexible with cable end Screw terminal block, clamping capacity: 1 x 0.14...1 x 4 mm² AWG 26...AWG 12, solid Screw terminal block, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14, flexible without cable end Screw terminal block, clamping capacity: 1 x 0.09...1 x 1.5 mm² AWG 28...AWG 16, flexible with cable end
Tightening torque	0.6 N.m with flat Ø 3.5 mm screwdriver
Width	90 mm
Height	76 mm
Depth	58 mm
Local signalling	1 LED yellow, function: test input at state 1 1 LED red, function: insulation fault, polarity AS-Interface + 1 LED red, function: insulation fault, polarity AS-Interface - 1 LED green, function: supply to relay on and no fault present 1 LED green, function: reset input at state 1 1 LED green, function: output relays energised
Product weight	0.26 kg

Environment

Product certifications	AS-Interface No 16701
Standards	EN/IEC 60204-1 EN/IEC 60204-2 IEC 61131-2 Type 2
IP degree of protection	IP2x conforming to IEC 60529
Resistance to incandescent wire	750 °C, extinction time: < 30 s conforming to IEC 60695-2-1
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	0.7 gn (f = 5...100 Hz) conforming to IEC 60068-2-6
Resistance to electrostatic discharge	8 kV in open air conforming to IEC 61000-4-2 6 kV on contact conforming to IEC 61000-4-2
Resistance to radiated fields	15 V/m, radio frequency fields = 80...1000 Hz conforming to IEC 61000-4-3
Resistance to fast transients	2 kV AS-Interface conforming to IEC 61000-4-4 1 kV on the inputs conforming to IEC 61000-4-4
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-25...70 °C
Pollution degree	2 conforming to IEC 60654

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant