

Product datasheet

Specifications



AS-Interface - modular - extended A/B - 4 I - IP20

ASI20MT4IE

⚠ Discontinued on: 31 Dec 2016

⚠ End-of-service on: 31 Dec 2018

⚠ Discontinued

EAN Code: 3389110117677

Main

Range Of Product	Advantys
Product Or Component Type	Modular interface
Addressing	Extended A/B
Number Of Addresses	0...62
Discrete Input Number	4
Supply	Sensor: via AS-Interface line
Actuator Sensor Interface Profile [As-I]	S0.A.7.0

Complementary

Range Compatibility	AS-Interface cabling system
As-Interface Compatibility	V2.1
[Us] Rated Supply Voltage	26.5...31.6 V DC for AS-Interface line
Maximum Sensor Supply Current	170 mA
Current Consumption	<= 50 mA on inputs/outputs on and sensor not energised for AS-Interface line 15 mA on no load for AS-Interface line
Input Compatibility	2 or 3-wire PNP conforming to IEC 61131-2 Type 2
Voltage State 1 Guaranteed	> 11 V for sensor side
Current State 1 Guaranteed	>= 6 mA (sensor side)
Voltage State 0 Guaranteed	< 5 V for sensor side
Current State 0 Guaranteed	<= 2 mA (sensor side)
Switching Time	1 ms at OFF to ON for actuator side 1 ms at ON to OFF for actuator side
Output Fallback Position	State 0 if watchdog tripped
Parameter Bits	Not used
Overvoltage Category	II conforming to EN/IEC 60664-1
Electrical Connection	Removable terminal block for AS-Interface line Removable terminal block for sensor side
Fixing Mode	By 2 screws diameter: 3 mm on panel Clip-on on 35 mm symmetrical DIN rail, operating position: horizontal
Housing Material	Polycarbonate
Flame Retardance	V0 conforming to UL 94

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

Local Signalling	1 LED (green) for AS-Interface power on 1 LED (green) for auxiliary supply on 1 LED (red) for no data exchange on AS-Interface (on steady), peripheral fault (flashing) 4 LEDs (yellow) for input status
Net Weight	0.09 kg

Environment

Product Certifications	CSA AS-Interface No 52501 UL
Ambient Air Temperature For Operation	-20...60 °C
Ambient Air Temperature For Storage	-40...85 °C
Ip Degree Of Protection	IP20 conforming to EN/IEC 60529
Shock Resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Vibration Resistance	+/-1 mm (f = 2...13.2 Hz) 1 gn (f = 13.2...100 Hz)
Resistance To Electrostatic Discharge	6 kV conforming to EN/IEC 61000-4-2
Resistance To Radiated Fields	10 V/m conforming to EN/IEC 61000-4-3
Resistance To Fast Transients	2 kV conforming to EN/IEC 61000-4-4
Pollution Degree	2 conforming to EN/IEC 60664-1

Contractual warranty

Warranty	18 months
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