

Main

Commercial Status	Commercialised
Range of product	Advantys
Product or component type	Modular interface
Addressing	Standard
Number of addresses	<= 31
Discrete input number	4
Discrete output number	4 2 A relay
Supply	Via external supply for actuator Via AS-Interface line for sensor
AS-i profile	S7.0.F.E

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	200 mA
Current consumption	15 mA on no load for AS-Interface line <= 110 mA on inputs/outputs on and sensor not energised for AS-Interface line
Input compatibility	2 or 3-wire PNP conforming to IEC 61131-2 Type 2
Voltage state 1 guaranteed	> 11 V (sensor side)
Current state 1 guaranteed	> 6 mA (sensor side)
Voltage state 0 guaranteed	< 5 V (sensor side)
Current state 0 guaranteed	< 2 mA (sensor side)
Discrete output voltage	<= 250 V AC conforming to IEC 60947-5-1 <= 150 V DC
Thermal current per channel	2 A (actuator side)
Thermal current per common	4 A (actuator side)
[Ie] rated operational current	0.5 A, operating rate = 6 cyc/mn DC-12 conforming to IEC 60947-5-1 (actuator side) 0.5 A, operating rate = 6 cyc/mn AC-15 conforming to IEC 60947-5-1 (actuator side) 0.5 A, operating rate = 6 cyc/mn AC-14 conforming to IEC 60947-5-1 (actuator side) 0.25 A, operating rate = 6 cyc/mn DC-13 conforming to IEC 60947-5-1 (actuator side) 2 A, operating rate = 6 cyc/mn AC-12 conforming to IEC 60947-5-1 (actuator side)
Minimum output current	10 mA
Overcurrent protection	Without
Mechanical durability	20000000 cycles
Switching time	10 ms for ON to OFF (actuator side) 10 ms for OFF to ON (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 (sensor side) Removable terminal block (AS-Interface line) Removable terminal block (actuator side)
Fixing mode	Clip-on on 35 mm symmetrical DIN rail, operating position: horizontal By 2 screws, Ø 3 mm on panel
Housing material	Polycarbonate

Flame retardance	V0 conforming to UL 94
Local signalling	8 LEDs yellow, function: input/output status 1 LED red, function: no data exchange on AS-Interface (on steady), peripheral fault (flashing) 1 LED green, function: auxiliary supply on 1 LED green, function: AS-Interface power on
Product weight	0.09 kg

Environment

Product certifications	AS-Interface No 52101 CSA 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 gn (f = 13.2...100 Hz) +/-1 mm (f = 2...13.2 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
Dielectric test voltage	3.75 kV between AS-Interface line and relay outputs conforming to EN/IEC 60364-4-41
Pollution degree	2 conforming to EN/IEC 60664-1

Contractual warranty

Period	18 months
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