



Main

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| Range of product | Advantys |
| Product or component type | Interface with remote M12 connector |
| Range compatibility | AS-Interface cabling system |
| AS-i version | V2.1 |
| Addressing | Standard |
| Enclosure type | Compact |
| Width | 45 mm |
| Number of addresses | <= 31 |
| Number of outputs | 4 |

Complementary

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| Height | 116.5 mm for connection base ASI67FFB02 |
| Depth | 47.5 mm for connection base ASI67FFB02 |
| [Us] rated supply voltage | 26.6...31.6 V for AS-Interface line |
| Reverse polarity protection | Integrated |
| Current consumption | <= 19 mA AS-Interface line without sensor supply |
| AS-i profile | 80FE |
| Output fallback position | OFF in the absence of communication |
| Parameter bits | Not used |
| Electrical connection | 4 female connectors M12 standard for actuator 1 connector M12 for AS-Interface line and auxiliary supply |
| Supply | By external supply for actuator side |
| Output type | Solid state (PNP transistor) |
| Output voltage | 21.6...27.2 V |
| Drop-out voltage | <= 1 V at In |
| Thermal current per channel | 4 A at < 40 °C (actuator side) 2 A at 40...70 °C (actuator side) |
| Thermal current per common | 2 A (actuator side) |
| Leakage current | <= 0.012 mA |
| Output overload protection | Thermal integrated |
| Output short-circuit protection | Thermal integrated |
| Nominal output current | 2 A DC-13 2 A DC-12 |
| Switching time | < 20 ms for ON to OFF (actuator side) < 20 ms for OFF to ON (actuator side) |
| Installation category | II conforming to IEC 60664 |
| Surge withstand | 2 kV at 12 Ohm (common mode) conforming to EN/IEC 61000-4-5 1 kV at 2 Ohm (differential mode) conforming to EN/IEC 61000-4-5 |
| Fixing mode | By 2 or 3 screws M4 |
| Tightening torque | 0.6 N.m |
| Material | Stainless steel |
| Housing material | PBT 30 % GF Valox 553 |
| Local signalling | 4 LEDs yellow, function: output status 1 LED red, function: fault 1 LED green, function: auxiliary supply ON (AUX PWR) 1 LED green, function: AS-Interface power ON (ASI PWR) |
| Product weight | 0.125 kg |

Environment

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| Product certifications | AS-Interface No 55201 CSA UL |
| Ambient air temperature for operation | -25...70 °C conforming to EN/IEC 60529 |
| Ambient air temperature for storage | -40...85 °C |
| IP degree of protection | IP67 conforming to IEC 60529 IP54 for use as tap-off or at line end conforming to IEC 60529 |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 5 gn (f = 36...150 Hz) conforming to EN/IEC 60068-2-6 0.7 gn (f = 13.2...100 Hz) conforming to GL +/-1 mm (f = 2...36 Hz) conforming to EN/IEC 60068-2-6 +/-1 mm (f = 2...13.2 Hz) conforming to GL |
| Dielectric test voltage | 0.5 kV between inputs and outputs for 1 minute conforming to EN/IEC 60664-1 0.5 kV between inputs and auxiliary supply for 1 minute conforming to EN/IEC 60664-1 0.5 kV between auxiliary supply and AS-Interface line for 1 minute conforming to EN/IEC 60664-1 2 kV between outputs and AS-Interface line for 1 minute conforming to EN/IEC 60664-1 |
| Resistance to electrostatic discharge | 8 kV conforming to EN/IEC 61000-4-2 level 3 |
| Resistance to radiated fields | 10 V/m conforming to EN/IEC 61000-4-3 level 3 |
| Resistance to conducted disturbances, induced by radio frequency fields | 3 V conforming to EN/IEC 61000-4-6 |
| Resistance to fast transients | 2 kV conforming to EN/IEC 60100-4-4 level 3 |
| Pollution degree | 3 conforming to EN/IEC 60604-4-1 |
| Fire resistance | At 750 °C, extinction time: < 30 s conforming to EN/IEC 60695-2-11 |