

### Main

|                           |  |
|---------------------------|--|
| Range of product          | Advantys FTM   |
| Product or component type | IP67 modular I/O splitter box  |
| Splitter box type         | Expandable   |
| Input/Output number       | 16   |
| Discrete input number     | 16   |
| Product compatibility     | With 2-wire/3-wire sensors   |
| Electrical connection     | 1 female connector M12 next module<br>1 male connector M12 bus module or previous module<br>8 female connectors M12 sensor |

### Complementary

|                                |  |
|--------------------------------|--|
| Internal current consumption   | 50 mA  |
| [Ue] rated operational voltage | 24 V DC  |
| Supply current                 | ≤ 4 A  |
| Discrete input voltage         | 24 V   |
| Discrete input voltage type    | DC   |
| Discrete input current         | 200 mA   |
| Discrete input logic           | Positive   |
| Sensor power supply            | 18...30 V  |
| Reverse polarity protection    | Internal   |
| Input filtering                | 1 ms   |
| Control threshold undervoltage | 0...18 V   |
| Status LED                     | 1 LED power supply diagnostics<br>1 LED per channel yellow channel status  |
| Surge withstand                | -1 kV signal conforming to IEC 61000-4-5<br>0.5 kV power supply conforming to IEC 61000-4-5<br>0.5 kV ground/PE conforming to IEC 61000-4-5<br>1 kV signal conforming to IEC 61000-4-5 |
| Operating position             | Any position   |
| Fixing mode                    | By 2 screws  |
| Tightening torque              | 1.5 N.m , M4 screw(s)  |
| Product weight                 | 0.22 kg  |

### Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 1131-2 Type 2  |
| Product certifications                | CULus  |
| Ambient air temperature for operation | 0...55 °C  |
| Ambient air temperature for storage   | -25...70 °C  |
| IP degree of protection               | IP67   |
| Operating altitude                    | 0...2000 m   |
| Vibration resistance                  | 15 gn conforming to IEC 68-2-6   |
| Shock resistance                      | 50 gn , for 11 ms conforming to IEC 68-2-27, EA tests  |
| Resistance to electrostatic discharge | -8 kV in air conforming to IEC 61000-4-2<br>-4 kV in contact conforming to IEC 61000-4-2<br>4 kV in contact conforming to IEC 61000-4-2<br>8 kV in air conforming to IEC 61000-4-2 |
| Resistance to radiated fields         | 10 V/m conforming to IEC 61000-4-3   |

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|---|--|
| Resistance to fast transients   | -2 kV power supply conforming to IEC 61000-4-4<br>-2 kV signal conforming to IEC 61000-4-4<br>2 kV power supply conforming to IEC 61000-4-4<br>2 kV signal conforming to IEC 61000-4-4 |
| Resistance to conducted disturbances, induced by radio frequency fields | 10 V conforming to IEC 61000-4-6   |
| Resistance to magnetic fields   | 30 A/m , 50 Hz conforming to IEC 61000-4-8   |
| RoHS EUR conformity date  | 0608   |
| RoHS EUR status   | Compliant  |