

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

|                           |  |
|---------------------------|--|
| Range of product          | Zelio Analog   |
| Product or component type | Voltage/current converter  |
| Analogue input type       | Current 4...20 mA<br>Voltage 0...10 V DC   |
| Analogue output type      | Current 4...20 mA <= 500 Ohm by cabling<br>Voltage 0...10 V >= 100 kOhm by cabling |

### Complementary

|                                  |  |
|----------------------------------|--|
| Protection type                  | Reverse polarity protection on output<br>Overvoltage protection on output (+/- 30 V)<br>Short-circuit protection on output |
| Abnormal analogue output voltage | -15...0 V, when no input or input wire broken  |
| Abnormal analogue output current | 4...-30 mA, when no input or input wire broken   |
| [Us] rated supply voltage        | 24 V DC +/- 20 %, non isolated   |
| Current consumption              | <= 40 mA voltage output<br><= 60 mA current output   |
| Local signalling                 | LED green (power ON)   |
| Measurement error                | +/- 1 % of full scale at 20 °C<br>+/- 10 % of full scale at 20 °C (electromagnetic interference of 10 V/m)                 |
| Repeat accuracy                  | +/- 0.2 % full scale at 20 °C<br>+/- 0.6 % full scale at 60 °C   |
| Temperature coefficient          | 200 ppm/°C   |
| Clamping connection capacity     | 1 x 2.5 mm <sup>2</sup><br>2 x 1.5 mm <sup>2</sup>   |
| Tightening torque                | 5.31...9.73 lbf.in (0.6...1.1 N.m)   |
| Marking                          | CE   |
| Surge withstand                  | 0.5 kV 1.2/50 µs conforming to IEC 61000-4-5   |
| [Ui] rated insulation voltage    | 2 kV   |
| Fixing mode                      | By screws, mounting plate<br>Clip-on, 35 mm symmetrical DIN rail   |
| Safety reliability data          | B10d = 67582<br>MTTFd = 73.2 years   |
| Product weight                   | 0.26 lb(US) (0.12 kg)  |

### Environment

|                         |   |
|-------------------------|---|
| Standards               | IEC 60947-1<br>IEC 60584-1  |
| Product certifications  | CSA<br>UL<br>GL   |
| IP degree of protection | IP20 terminal block<br>IP50 housing   |
| Fire resistance         | 1562 °F (850 °C) conforming to IEC 60695-2-1<br>1562 °F (850 °C) conforming to UL |
| Shock resistance        | 50 gn 11 ms conforming to IEC 60068-2-27  |
| Vibration resistance    | 5 gn (f = 10...100 Hz) conforming to IEC 60068-2-6                                |

|                                       |  |
|---------------------------------------|--|
| Resistance to electrostatic discharge | 6 kV (in contact) conforming to IEC 61000-4-2 level 3<br>8 kV (in air) conforming to IEC 61000-4-2 level 3 |
| Resistance to fast transients         | 1 kV on input-output conforming to IEC 61000-4-4<br>2 kV on power supply conforming to IEC 61000-4-4       |
| Disturbance radiated/conducted        | CISPR 11<br>CISPR 22 group 1 - class B   |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)   |
| Ambient air temperature for operation | 32...122 °F (0...50 °C) (mounting side by side)<br>32...140 °F (0...60 °C) (2 cm spacing)                  |
| Pollution degree                      | 2 conforming to IEC 60664-1  |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule     | CP2                               |
| GTIN                  | 00785901466543                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 0.23000000000000001               |
| Returnability         | N                                 |
| Country of origin     | ID                                |

## Offer Sustainability

|                           |  |
|---------------------------|--|
| California proposition 65 | WARNING: This product can expose you to chemicals including:   |
| ----- Substance 1         | Nickel compounds, which is known to the State of California to cause cancer, and   |
| ----- Substance 2         | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| ----- More information    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

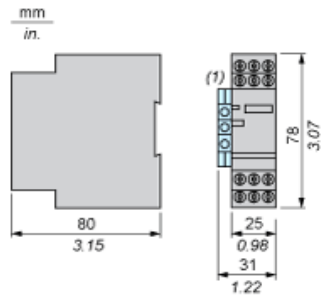
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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Analog Interface (Converter)

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Dimensions



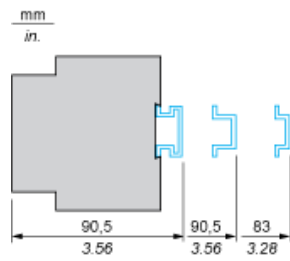
(1) Terminal block AB1TP435U or AB1RRNTP435U2

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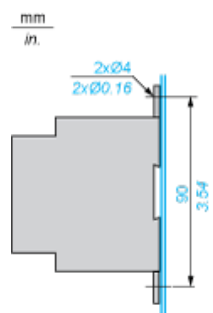
## Mounting

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### Mounting on Rails AM1•••••



### Panel Mounting



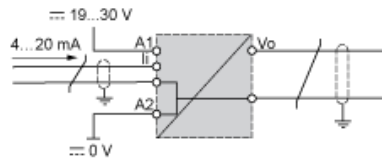
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Analog Interface: Voltage/Current Converter

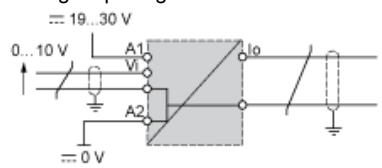
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Wiring Diagrams

Current input signal



Voltage input signal



The input, output and power supply lines must be kept away from the power cables to avoid effects due to induced interference.  
The input and output cables must be shielded as indicated in the schemes and must be kept away from each other.

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