

Product data sheet

Characteristics

TWDAMO1HT

analog output module Twido - 24 V DC supply -
1 output - 0-10V, 4-20 mA

Main

| | |
|----------------------------|---|
| Range of product | Twido |
| Product or component type | Analogue output module |
| Analogue output number | 1 |
| Analogue output type | Current: 4...20 mA Voltage: 0...10 V |
| Analogue output resolution | 12 bits |
| I/O connection | Removable screw terminal block |

Complementary

| | |
|---|--|
| LSB value | 2.5 mV voltage 4 μ A current |
| Load type | Resistive |
| Load impedance ohmic | \leq 300 Ohm of current source \geq 2000 Ohm of voltage source |
| Stabilisation time | 20 ms |
| Conversion time | 20 ms + 1 controller cycle time |
| Measurement error | +/- 0.2 % of full scale 0...10 V at 25 °C +/- 0.2 % of full scale 4...20 mA at 25 °C |
| Temperature coefficient | +/-0.015 %FS/°C , analogue output type: voltage +/-0.015 %FS/°C , analogue output type: current |
| Repeat accuracy | +/-0.5 %FS |
| Non-linearity | +/- 0.2 %FS , analogue output type: voltage +/- 0.2 %FS , analogue output type: current |
| Output error | +/- 1 %FS |
| Output ripple | \leq 1 LSB |
| Total error | +/-1 %FS , analogue output type: voltage +/-1 %FS , analogue output type: current |
| Type of cable | Shielded twisted pair |
| Insulation between channel and internal logic | Photocoupler |
| Supply | External supply |
| [Us] rated supply voltage | 24 V DC |
| Supply voltage limits | 20.4...28.8 V |
| Current consumption | 40 mA at 24 V DC 50 mA at 5 V DC |
| Marking | CE |
| Product weight | 0.085 kg |

Environment

| | |
|---------------------------------------|--|
| Dielectric strength | 500 V between the outputs and the supply circuit |
| Product certifications | CSA UL |
| IP degree of protection | IP20 |
| Ambient air temperature for operation | 0...55 °C |
| Ambient air temperature for storage | -25...70 °C |
| RoHS EUR conformity date | 0630 |
| RoHS EUR status | Compliant |