

EM-M43 & EM-M43-2 INPUT ISOLATORS FOR PLCs AND CONTROL SYSTEMS, FROM I TO U.



FEATURES:

- Wide supply range
- Isolation voltage 1500 V
- 12 bit linearity
- Small size
- Single- and dual-ch units
- Over current protected
- Easy to connect
- Rail mountable

EM-M43 is an optical isolator designed for input isolation of computers and PLCs. Isolator input is for 4...20 mA signal. Unit provides high isolation voltage. The isolators accuracy is sufficient for 12-bit applications. The unit acquires energy to its primary side from the current loop. Input stage is protected against over current. Output signal can be chosen to be 0...5V or 0...10V. The operating voltage range is wide and isolator supply is protected against incorrect polarity. Unit is packed in a rail-mountable housing and is available in 2 channel version as well. With 2 channel model the need for space is only 10mm/channel. The type code for 2 channel unit is EM-M43-2.

TECHNICAL DATA:

| | |
|---------------------|---------------------|
| Supply | 15...32 Vdc |
| Linearity error | < 0.1 % |
| Thermal drift | < 100 ppm/°C |
| Input range | 4...20 mA (25 mA) |
| Input impedance | 120 ohm |
| Input limit | 120 mA |
| Output ranges | 0...5V / 0...10 V |
| Load | RL > 1 kohm |
| Frequency range | DC...100 Hz |
| Settling time | 10 ms (10...90 %) |
| Isolation voltage | 1500 V |
| Oper. ambient temp. | -10...60 °C |
| Dimensions (D*L*H) | 20*79*75mm |
| Weight | 70 g |

