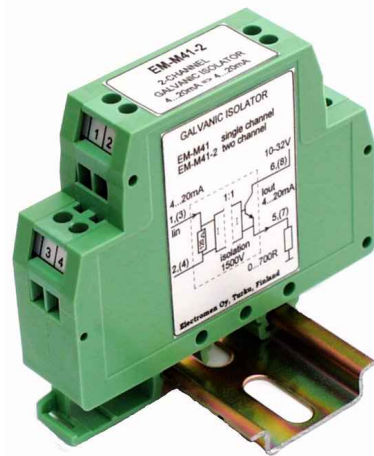


EM-M41 & EM-M41-2 INPUT ISOLATOR FOR PLCs AND CONTROL SYSTEMS, FROM I TO I



FEATURES:

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

EM-M41 is an optical isolator designed for 4...20 mA input signal isolation of PLCs and control systems. Unit provides high isolation voltage. EM-M41 accuracy is sufficient for use in 12-bit applications and supply range is wide. Unit acquires its operating energy from the current loop. Input stage is protected against over current and output stage is protected against over voltage and 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 model is EM-M41-2.

TECHNICAL DATA:

Supply	10...32 Vdc
Conversion ratio	1:1 ($\pm 0.1\%$)
Linearity error	< 0.1 %
Thermal drift	< 100 ppm/°C
Operating range	4...20 mA (1...22 mA)
Input impedance	120 ohm
Input protection	120 mA
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

