



M2510 | Lightbus analog input module

The M2510 analog input module has four analog input channels with sample and hold, a 12 bit resolution and a conversion time of 25 μ s. Jumpers can be used to select from the input ranges 0 to 10 V, 4 to 20 mA or ± 10 V. The fibre optics connection of the Lightbus system allows the transducer values to be transmitted at high speed and without interference to a central device such as a PC, PLC or CNC within 25 μ s.

Features

- 4 analog inputs
- 12 bit resolution, 25 μ s conversion time
- sample and hold input amplifier
- input ranges from 0 to 10 V, 4 to 20 mA, ± 10 V
- Just one 24 V DC power connection, auxiliary voltages are generated on the module.
- direct mounting in the power control cabinet
- all connections are of plug-in type
- snap-on mounting on a DIN rail

Technical data	M2510
Fieldbus	Lightbus
Data transfer rates	2.5 Mbaud, 32 bits of process data in 25 μ s
Analog inputs/outputs	4/0
Analog specifications	$U_{IN} = \pm 10$ V, 0...10 V, 4...20 mA, 12 bit resolution
Connections	plug-in; +, -, signal
Supply voltage	24 V DC (-15 %/+20 %)
Current consumption	0.15 A (with no load or input currents)
Housing form	compact aluminium housing for DIN rail mounting
Dimensions (W x H x D)	166 mm x 76 mm x 68 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4

Ordering information	M2510-00x
M2510-000	4 analog inputs, auxiliary voltage ± 15 V
M2510-001	4 analog inputs, auxiliary voltage +24 V, -15 V