

# TEA8A

## ISOLATED ANALOG INPUT CARD



### SPECIFICATIONS

#### Inputs

Channels: 8  
 Type: 4 to 20 mA or 0 to 20 mA  
 Input Impedance: 47Ω  
 Maximum Current: 50 mA  
 Isolated  
 Software and hardware filter  
 Terminals:  
   Type: pluggable: from 0,25 mm<sup>2</sup> to 4 mm<sup>2</sup>  
   (12 AWG to 24AWG)  
   Quantity: two terminals for input  
 Accuracy: 0.5%  
 Scan Time: 100 ms  
 Resolution: 11 bits plus sign

#### Communications

Serial Port RS485  
 Protocol BUS485  
 Indicators:  
   RX, TX and CK leds  
   Transmission enabled led  
 Bus Address: 4 switches

#### Power Supply

Voltage: 19 to 28 Vdc  
 Current Consumption: 100 mA  
 Power supply indication LED.

#### Mechanical

Metal support for tray mount  
 Dimensions in mm: 250 x 15 x 37  
 Weight: 600 g

#### Environmental

Air Temperature: 0 to 55 °C  
 Relative Humidity: 100 % non-condensing

### DESCRIPTION

The TEA8A is an isolated 11-bit analog input card designed to provide the following functions:

- Analog-to-digital conversion.
- Analog signals filter.
- Analog signals isolation.
- Transmission of the digital values through the serial port.

### FEATURES

- Two parts: electronic card and mounting bracket.
- Wall mount.
- Easy installation and high maintainability.
- Quick and easy field wiring connections.
- 8 isolated analog inputs.
- RS485 LAN connection with hardware identification.
- CPU program in flash EPROM.
- Programming flexibility.

