

16377.2
GSM-PRO-8AI



GSM-PRO I/O analogue input module, 8 analogue inputs 0 - 10 V, 0 (4) - 0 mA, NTC, RTD (PT1000 / NI1000), Mounting type: Mounting rail TS 35, Supply voltage range: 20 - 28 VDC

Business data

Product description	Controller module
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	117
Weight per piece (including packaging)	128
Unit of weight	G
Customs number	85176990
Country of origin	EEC

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Technical Data

Dimensions

Length	53 mm
Width	95 mm
Height	60 mm

Connection data

Connection principle	Screw connection
Wire cross-section single core (rigid), min.	0.2 mm ²
Wire cross-section single-core (rigid), max.	4 mm ²
Wire cross-section stranded, min.	0.2 mm ²
Wire cross-section stranded, max.	4 mm ²
Stripping length	6 mm
Torque	0.4 Nm

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Technical Data

Input data

Input type	Analogue
Number of channels	8
Input signal U/I, max.	10 VDC / 20 mA
Input resistance U/I	200K / 250 Ohm
Resolution U (0 ... 10 Vdc)	10bit / $\pm$ (10mV + 0,3% of measured value)
Input resistance RTD	Plug-in, default 5k11 for Ni / PT1000 RTD sensors
Resolution I (0 ... 20 mA)	10 bit / $\pm$ (20 μ A + 0,4% of measured value)

Materials

Working temperature, min.	-20 °C
Working temperature, max.	60 °C
Temperature coefficient	<0,02% °C
Relative humidity, max.	90 %

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Technical Data

Further technical data

Power supply	20-28 VDC
Current consumption	50 mA
Protection class	IP20
Storage temperature, min.	-20 °C
Storage temperature, max.	70 °C
Mounting	Mounting rail TS35 / direct mount
Resolution RTD	14 bit / $\pm (0,4 \text{ °C} + 0,5\% \text{ of measured value})$

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Approvals

Standards and regulations

CE compliant	✓
Standards / specifications	Low-Voltage Directive (LVD) 2014/35/EC, in compliance with EN 50178. EMC Directive 2014/30/EC, in compliance with EN 61326-1

