Data sheet
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

Article number	16377.2
Article name	GSM-PRO-8AI
GTIN (EAN)	4044211207779
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	117 g
Weight per piece (including packaging)	128 g
Unit of weight	G
Customs number	85176990
Country of origin	NL
Product description	Controller module

Data sheet
16377.2 GSM-PRO-8AI

Technical data

Dimensions

Length	95 mm
Width	53 mm
Height	60 mm

Connection data

Connection principle	Screw connection
Wire cross-section single core (rigid), min.	0.2 mm²
Wire cross-section single-core (rigid), max.	4 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	4 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm²
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm²
Stripping length	6 mm
Torque	0.4 Nm

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 / ± (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 / ± (20 µA + 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 %

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 / ± (0,4 °C + 0,5% of measured value)

BUS data

Bus protocol / interface	Modbus RTU / RS485, half-duplex

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

Standards and regulations

CE compliant	yes
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

Media
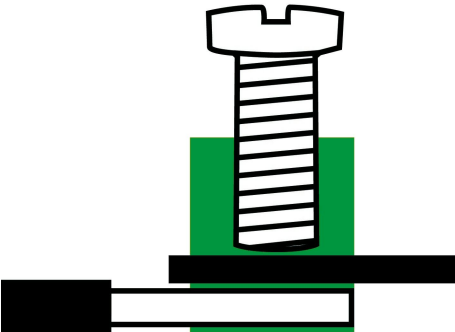
Accessories

##INVERSE##CONTA-ELECTRONICS

Compact reporting system for mobile networks to monitor analogue and digital values, and to remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16368.2	GSM-PRO2	4044211207731	1 ST

Compact signaling system for mobile networks to monitor analog and digital values as well as remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16407.2	GSM-PRO2E	4044211219017	1 ST

Compact reporting system for mobile networks (up to and including 4G) to monitor analogue and digital values, and to remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16454.2	GSM-PRO2-4G-EU	4044211222505	1 ST

Compact signaling system for mobile networks (up to and including 4G) to monitor analog and digital values as well as remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16455.2	GSM-PRO2E-4G-EU	4044211222512	1 ST

Compact signaling system for mobile networks (up to and including 4G) to monitor analog and digital values as well as remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16455.2	GSM-PRO2E-4G-EU	4044211222512	1 ST

##INVERSE##CONTA-ELECTRONICS

Compact reporting system for mobile networks (up to and including 4G) to monitor analogue and digital values, and to remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16456.2	GSM-PRO2-4G-US	4044211222529	1 ST

Compact signaling system for mobile networks (up to and including 4G) to monitor analog and digital values as well as remotely switch relay outputs, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC.

Article number	Article name	GTIN (EAN)	Packaging unit
16457.2	GSM-PRO2E-4G-US	4044211222536	1 ST

Compact reporting system for mobile networks to monitor analogue and digital values as well as remotely switch relay outputs, incl. GSM positioning, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC

Article number	Article name	GTIN (EAN)	Packaging unit
16408.2	GSM-PRO2E-GPS	4044211219024	1 ST