

16369.2

GSM-PRO2-GPS



Compact reporting system for mobile networks, for monitoring analogue and digital values ??and remotely switching relay outputs, incl. GSM positioning, Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC

RAL: 9018

Business data

Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	100 g
Weight per piece (including packaging)	137 g
Unit of weight	G
Customs number	85176990
Country of origin	NL
Product description	Controller module

Technical data

Dimensions

Length	95 mm
Width	36 mm
Height	65 mm

Connection data

Connection principle	Screw connection
Number of outputs	1
Wire cross-section single core (rigid), min.	0.2 mm ²
Wire cross-section single-core (rigid), max.	2.5 mm ²
Wire cross-section stranded, min.	0.2 mm ²
Wire cross-section stranded, max.	2.5 mm ²
Stripping length	6 mm
Torque	0.4 Nm
Switching voltage / switching voltage max.	250 / 250 VAC
Continuous current max. / Inrush current max.	5 / 5 A
Switching capacity, max.	1200 VA
Switching frequency, max.	6/min kHz
Electrical lifespan (AC1)	1,5x10 ⁷
Mechanical lifespan	15x10 ⁷
Relay contact	1CO

Ratings

Number of channels	2
Input signal U/I, max.	30 V / -
Input resistance U/I	80K / 500 Ohm
Resolution U (0 ... 10 Vdc)	20mV / ±(20mV+0,3%)
Resolution I (0 ... 20 mA)	40 µA / ± (40 µ + 0,3%)
Pulse length, min.	500 ms
Threshold digital inputs	Low <2, High >4V
Counter input (pull-down)	1000 pulses/s, max. pull-down res. 24 kOhm

Technical data

Materials

Contact material	AgNi 90/10
Working temperature, min.	-20 °C
Working temperature, max.	50 °C
Relative humidity, max.	80 (non-condensing) %

GSM data

SIM card	Nano SIM
2G	Quad-band GSM bands: 850, 900, 1800 and 1900 MHz
3G	Five-band UMTS (WCDMA/FDD) bands: 800, 850, 900, 1800, 1900 and 2100 MHz
Antenna GSM	50 ohm, SMA plug

GPS data

GPS frequency	1575-1587 MHz
Time to first fix (@ -140 dBm)	Hot < 2s, warm < 35s, cold < 46s
Antenna GPS	50 ohm, SMA plug
Voltage active antenna	3 V @ RF plug

Further technical data

Power supply	10-30 VDC -
Current consumption	275 @ 24 VDC mA
Protection class	IP20
Storage temperature, min.	-20 °C
Storage temperature, max.	70 °C
Mounting	Mounting rail TS35 / direct mount
Backup power	Internal maintenance-free supercap capacitor
Electromagnetic properties	Directive 2014/30/EC in compliance with EN 55011 and EN 61326-1
Frequency spectrum	RED 2014/53/EC in compliance with ETSI EN 301-511 V9.0.2 Hz
Number of expansion modules, max.	15

BUS data

Bus protocol / interface	Modbus RTU / RS485, half-duplex, non-insulated
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Data sheet

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Technical data

Print

Colour	Light grey
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Environmental Product Compliance

REACH Conform	yes
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REACH Reference date	2021-07-08
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REACH Candidate Substance Note	No
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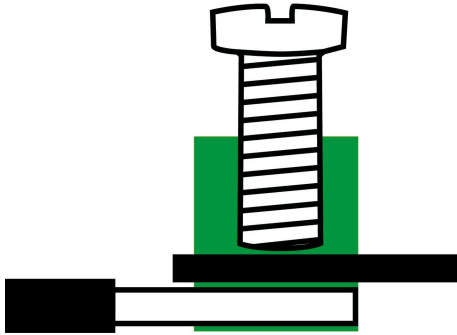
RoHS Conform	yes
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Approvals

Standards and regulations

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
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Media



Accessories

GSM-PRO I/O-Modules

Controller module

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16375.2	GSM-PRO-10DI	4044211207755	500 ST



GSM-PRO I/O analogue output module, 4 analogue outputs 0 - 10V, Mounting type: Mounting rail TS 35, Supply voltage range: 20 V - 28 VDC

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16376.2	GSM-PRO-4AO	4044211207762	500 ST



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

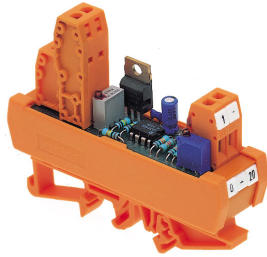
General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16377.2	GSM-PRO-8AI	4044211207779	500 ST

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GSM-PRO I/O-Modules



Signal converter for converting voltage/current signals to an analogue standard signal, Screw connection, Mounting type: Mounting rail TS 35, Supply voltage: 24 VDC

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16374.2	CAE/I-I/020-010	4044211207502	500 ST

Antennas



GSM UMTS antenna with omni-directional characteristic, SMA round plug, Connecting cable length: 3 m

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16061.2	GSM-ANTENNA-EXTERNAL-SMA-3M	4044211145972	500 ST



GSM UMTS antenna with omni-directional characteristic, SMA round plug, Connecting cable length: 5 m

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16172.2	GSM-ANTENNA-EXTERNAL-SMA-5m	4044211187002	500 ST



GSM omni-directional antenna, 90° with SMA round connector

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16379.2	GSM-ANTENNA-90°	4044211207793	500 ST

Creation date 17.11.2021 20:36:29
Subject to technical changes

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Antennas



Combined cellular/GPS antenna with omni-directional, SMA round connector (GSM/UMTS) and R-SMA round connector (GPS), connection cable length 3 m

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16381.2	GSM-ANTENNA-EXTERNAL-GSM+GPS-SMA-3M	4044211207816	500 ST



GSM UMTS antenna with omni-directional characteristic, SMA round plug, Connecting cable length: 10 m

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16173.2	GSM-ANTENNA-EXTERNAL-SMA-10M	4044211187019	500 ST

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Connection cables



USB 2.0 connection cable [1 USB 2.0 plug A -
1 USB 2.0 plug Micro-B] Cable length: 1.5 m,
gold-plated plug contacts, colour: black

General order data

Product number:	Article name	GTIN (EAN)	Packaging unit
16382.2	GSM-USB-MICRO-cable	4044211207823	500 ST
