

Data logger - PSK RTU 50 - 2400018

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Data logger with integrated GSM/GPRS modem, 2 analog and 4 digital inputs, 4 digital outputs, 1 serial interface, and 1 Ethernet interface



Product Description

The PSK RTU 50 is a data logger with integrated GSM/GPRS modem, 2 analog and 4 digital inputs, 2 digital outputs, 1 serial interface, and 1 Ethernet interface. Thanks to the innovative power management, the data logger can also be operated with batteries or solar cells.

Your advantages

- ✓ Alarm inputs and switching outputs
- ✓ Integrated GSM/GPRS modem
- ✓ LED diagnostic indicators
- ✓ Data logger, gateway, and alarm manager
- ✓ Low power consumption

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 016429
GTIN	4055626016429
Weight per Piece (excluding packing)	475.000 g
Custom tariff number	84719000
Country of origin	Netherlands
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	210 mm
Height	110 mm
Depth	45 mm

Ambient conditions

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Technical data

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Interference emission	Noise emission test as per EN 61000-6-4 EN 55011 (emitted interference) Class A
Noise immunity	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 EN 61000-4-3 (radiated noise immunity) Criterion A, 10 V/m
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 EN 61000-4-5 (surge) Criterion B
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 EN 61000-4-4 (EFT burst) Criterion B; Supply lines: 2 kV; Signal/data lines: 2 kV
Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 EN 61000-4-2 (ESD) Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 EN 61000-4-6 (line noise immunity) Criterion A, Test voltage 10 V
Noise emission	EN 61000-6-4
Vibration (storage/transport)	5g
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Data interfaces

Interface	RS-232
	RS-232/-485
	Serial
Protocols supported	IEC 60870-5-101, Modbus/RTU, IEC 62056-21
	IEC 60870-5-104, Modbus TCP/IP, FTP
Interface	Ethernet
Connection method	RJ45
Interface description	GSM / GPRS
Minimum frequency	850 MHz
Max. frequency	1900 MHz

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Technical data

Data interfaces

Number	1
Connection method	SMA (female)
Resistance	50 Ω
SIM Interface	1.8 volt and 3 volt SIM card

Power supply

Typical current consumption	5 mA
Max. current consumption	100 mA
Supply voltage	24 V DC
Supply voltage range	10 V DC ... 30 V DC
Power dissipation	max. 0.12 W
Battery capacity	235 mAh
Battery voltage	3 V DC
Service life of battery	6 years

Direct I/Os

Number of inputs	4
Connection technology	COMBICON
Output name	Digital outputs
Number of outputs	2 (Relay output)
Number of inputs	2
Connection method	COMBICON connectors
Connection technology	Screw connection

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Articles in set

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Classifications

eCl@ss

eCl@ss 5.0	27242700
eCl@ss 5.1	27242700

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Classifications

eCl@ss

eCl@ss 6.0	27242200
eCl@ss 7.0	27242205
eCl@ss 8.0	27242205
eCl@ss 9.0	27242205

ETIM

ETIM 4.0	EC001422
ETIM 5.0	EC001422
ETIM 6.0	EC001422
ETIM 7.0	EC001422

Accessories

Accessories

Antenna

Antenna - PSI-GSM/UMTS-QB-ANT - 2313371



GSM UMTS antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector

Programming cable

Cable for programming - PSK RTU PRG CAB - 2402816



Programming cable for PSK RTU 50