

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

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 016429
GTIN	4055626016429

Technical data

Dimensions

Width	210 mm
Height	110 mm
Depth	45 mm

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)

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Technical data

Ambient conditions

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
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
	Ethernet
Connection method	RJ45
Interface description	GSM / GPRS
Minimum frequency	850 MHz
Max. frequency	1900 MHz
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

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Power supply

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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