GPR23 - GPS receiver for RF20 radio system

Type designation: **GPR23**

PN (RN): **2332.100.01**

The GPS receiver is an accessory to transceivers that are part of the RF20 system. With this accessory you can acquire navigation data, i.e. information about your position, velocity and time from the NAVSTAR system and then display the data on the transceiver display or send it through the radio channel to other transceivers.

The GPR23 receiver consists of the receiver proper and the navigation antenna that connects directly to the transceiver panel AF connector. The receiver may alternatively be connected to the transceiver with 1050.312.23 cable and attached to the operator's belt or harness. The connection cable allows you to simultaneously connect acoustic sets to the transceiver.

Technical parameters

Received frequency	L1 (1575.42 MHz)
Code	C/A code
Communication protocol	UBX
Channels	50
Accuracy in the horizontal plane	2.5 m CEP
Accuracy acquisition time – cold start	40 s
Speed accuracy	± 0.1 m/s
Rated supply voltage	7.2 V
Limit supply voltage	6 V min., 10 V max.
Current consumption	90 mA max.
Dimensions (diameter x height) max.	27 mm x 100 mm
Weight	0.1 kg
Operating temperature range	-40 °C to +70 °C
Resistance to immersion	1 m/2 hours
Mechanical and climatic resistance	MIL-STD-810E

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