

VDS modem

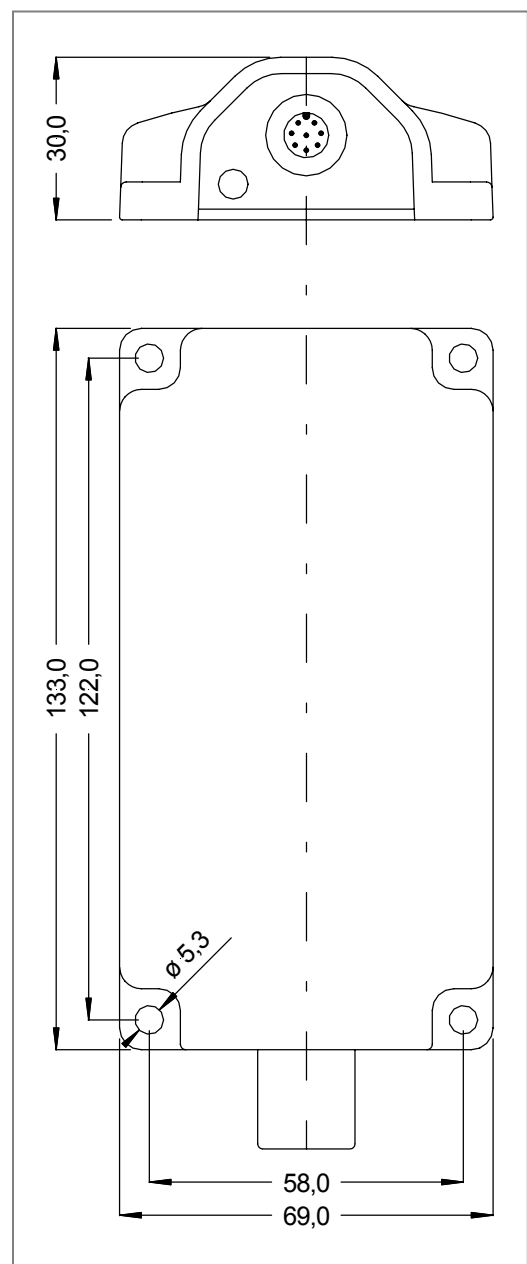
The VDS modem enables access to a machine via the Internet. The modem transfers the machine data obtained via CAN or RS232 to a server via the GSM mobile phone network. It is very easy to integrate the VDS modem into a mobile work machine.

Properties

- Interfaces CAN and RS232
- GPS receiver
- Weatherproof for outdoor assembly
- Aerials installed for GSM and GPS
- SIM chip



Housing dimensions



Applications

- Fleet management
- Remote diagnosis
- Remote servicing
- Operating data recording
- Server-based data loggers

VDS modem pin assignment, 8-pin built in male connectors M12 x 1

Pin no.	Name	Description
1	UB	Power supply
2	DG	Earth
3	AKT	Switch-on signal
4	CH	CAN line H
5	CL	CAN line L
6	TXD	RS232 send cable
7	RXD	RS232 receive cable
8	NC	Not used

VDS modem technical data

Dimensions	(L/W/H) 132mm x 68mm x 30mm
Housing	PBT-GF30 plastic Aluminium front, cable protection conduit Electronics moulded
Weight	300g
Protection category	IP67, IP69K
Wireless interfaces	1 Communication via GSM/GPRS Quad-wavelength with an integrated aerial 1 Position determination via GPS with an integrated aerial
Displays	LED red / green
Connections	M12 8-pin for power supply and interfaces
Power supply	UB = 6 ... 32V
Operating temperature	-40 ... 85°C
Current consumption	Approx. 150mA at 12V max. 0.2mA in standby mode
Microcontroller	AT91SAM9263 / 200MHz
Memory	256Mbyte NAND Flash, 64Mbyte SDRAM
Inputs	1 Activation input with 4,7kΩ pull down
Interfaces	1 RS232, maximum baud rate: 115kbauds 1 CAN 2.0B, maximum baud rate: 1Mbit/s
Safety	Overvoltage protection, reverse pole protection, watchdog
EMC	Directive 72/245/EEC, Directive 75/322/EEC, DIN EN 13309, ISO 7637, DIN EN 14982

We reserve the right to make technical changes · Status 07/10