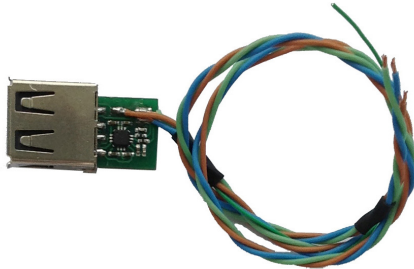


# DEVICE FUNCTIONS

## R0068CS50070



## R0068CS50071



## R0068CS50072



## CS5007L5 Plugs



# DEVICE FUNCTIONS

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## Features

- IP67 sealed
- Nickel plated aluminium shell
- Thread coupling mechanism for secure USB cable connection
- Shock, vibration and traction resistant
- RS232 - USB conversion
- COM port device drivers
- Remote access over network and Internet.
- Support multiple devices on the same computer.
- Support two users at the same time.
- Network connection tools (option).
- Virtual private network (VPN) connection tools (option).
- ESD surge protection:  $\pm 8\text{kv}$  contact discharge,  $\pm 15\text{kv}$  air gap discharge
- LC filters on RS232 RxD and TxD lines
- USB bus powered, 17.9mA
- Panel mounting

## Specifications

USB	USB specification 2.0 compliant USB type A receptacle connector USB full speed 12Mbps transmission
RS232	Signals: RxD, TxD, GND Receiver RxD input voltage range: -25v to +25v Transmitter TxD output voltage swing: -5.7v to +5.7v Connector: 3 wires of 30cm Baud rate: 1200bps to 115200bps Parity: Even, Odd, None, Mark, Space Data length: 5-bit, 6-bit, 7-bit, 8-bit Stop bits: 1-bit, 2-bit
Grounding	USB connector is floating. USB shield is extended with a green wire.
Power	USB bus powered, 17.9mA
Software	32-bit and 64-bit COM port device drivers and the adapter manager for Microsoft Windows 8, Windows 7, Windows Vista, Windows XP.
Mounting	Panel mount with panel gasket included
Vibrations	10 – 500 Hz, 10 g, 3 axes: no discontinuity > 1micro s
Shocks	IK06: weight of 250 g drop from 40 cm onto connectors (mated pair)
Coupling	Thread coupling mechanism (MIL-DTL-38999 series III type) with antidecoupling device
Shells	Aluminium shell, Nickel plating, ROHS compliant
Plugs	USB A plug to IP67 sealed USB A plug, 5 meter, shielded
Part Number	R0068CS50070-B, R0068CS50071-B, R0068CS50072-B RS232 programmable, support all settings. R0068CS50070-P, R0068CS50071-P, R0068CS50072-P RS232 programmable, support all settings. Network connection tools Virtual private network (VPN) connection tools R0068CS50070-B-96, R0068CS50071-B-96, R0068CS50072-B-96 RS232 setting: 9600bps, 8-bit, No parity, 1-bit stop.

# DEVICE FUNCTIONS

R0068CS50070-P-96, R0068CS50071-P-96,  
R0068CS50072-P-96

RS232 setting: 9600bps, 8-bit, No parity, 1-bit stop.  
Network connection tools  
Virtual private network (VPN) connection tools

R0068CS50070-B-11, R0068CS50071-B-11,  
R0068CS50072-B-11

RS232 setting: 115200bps, 8-bit, No parity, 1-bit stop.

R0068CS50070-P-11, R0068CS50071-P-11,  
R0068CS50072-P-11

RS232 setting: 115200bps, 8-bit, No parity, 1-bit stop.  
Network connection tools  
Virtual private network (VPN) connection tools

Operating temperature range:      RS0068CS50071 -40°C TO +85°C  
  RS0068CS50072 -40°C TO +85°C  
  Plugs 0°C TO 80°C

## Software Installation

The software package is supplied in a compressed folder file named *r0068\_drivers* or a CD. Here are the installation steps.

1. If you have file *r0068\_drivers*, rename *r0068\_drivers* to *r0068\_drivers.zip*, extract all files to a file folder on your local disk or USB drive, double click *setup.exe* to start software installation.
2. If you have the software CD, insert the software CD into your computer's disc drive, the software installation will start automatically.
3. Follow the on-screen instructions until the setup wizard finishes.
4. Connect USB module to the computer's USB port with an USB cable.
5. Follow the on-screen instructions if any to complete the software installation.

## Software Usage

Refer to *R0068 USB-RS232 Adapters* datasheet *r0068.pdf*.

## RS232 Connector Definition

Refer to USB modules CS50071 and CS50072 datasheet *cs5007.pdf*.

## Drawings (mm)

Refer to USB modules CS50071 and CS50072 datasheet *cs5007.pdf*.

## Accessory

### SWD002

R0068 device driver CD

The COM port device drivers and the adapter manager supports 32-bit (x86) and 64-bit (x64) Microsoft Windows 8, Windows 7, Windows Vista, Windows XP.

