

SSM Cartridge Station Type 6766-12

Data storage unit with replaceable cartridge.

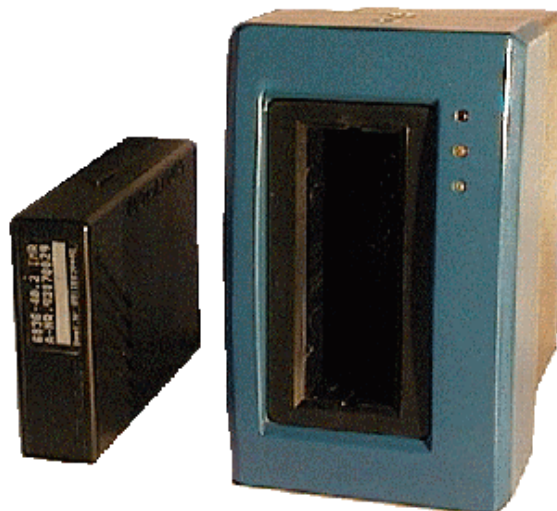
For type 6765-1x, 6836-20 and 6836-40 solid state memory cartridges (read/write).

Data exchange with other units via fieldbus (P-NET).

Direct PC-connection via RS-232-interface and transmission-software for Windows.

Highly secure data transfer and storage.

Two models (vehicle and office-version) for mobile and stationary applications.



Application

The SSM cartridge station type 6766-12 has been designed for external data storage within the 3002 system. Because of its robust design, it can be used in tank trucks and in milk collecting trucks. The easy connection to the RS-232-interface enables the use for recording schedule data and for reading data recorded during a tour. The available PC-software is compatible with all platforms (Windows '95 and higher).

In addition, the SSM cartridge station can be used in any environment where solid state memory cartridges of the above type and a P-NET fieldbus exist.

Function

For the storage operation each a SSM cartridge is to insert into the cassette shaft in front of the device. Cassettes can be removed or exchanged easily. There are three status and error LEDs on the front panel:

- Red LED (top):
Lights up in case of an error such as "Cartridge defective" or "Battery voltage too low".
- Yellow LED (center):
Lights up when the cartridge is being accessed.
- Green LED (bottom):
Blinks during normal operation.

Models

Both versions can only be used with a connection-set.

Electrical connection

Connection of P-NET-fieldbus and operating voltage using screw-type terminals inside the back panel.

To replace electronic components, the cover must be removed.

Solid state memory cartridges (SSM)

These cartridges are replaceable, integrated, non-volatile storage media. They contain SRAMs with battery backup and are available with different capacities of up to 4 MByte

Read / write unit for solid state memory cartridges

- For replaceable cartridges with non-volatile memory chips.
- Robust design for stationary and mobile environments; no moving parts.
- Serial field bus interface (P-NET), electrically separated.
- Status and error LEDs
- Voltage control of backup batteries in RAM cartridges.
- RS-232-interface for connection to PC.
- Transmission-software and direct embedding in all Windows-platforms (with Windows '95 and higher).

Technical Data

Auxiliary energy

Supply voltage: DC 15 ... 35 V
(via power supply type 6781-xx or similar)
Nominal current at DC 24 V:
approx. 60 mA

Electrical connection

Screw-type terminals for P-NET-fieldbus, RS-232-interface and operating voltage on board inside the back panel. Cable feed via 2 x PG7

Interfaces

- Fieldbus interface (P-NET):
serial, asynchronous,
baud rate: 76800 bit/s
max. cable length : 1200 m
P-NET-ID-No.: 5917

- RS-232-interface
baud rate: 115200 bit/s
max. cable length : 3 m
no HW-handshake

General parameter

weight: approx. 13 N (\approx 1,3 kg)
dimensions: 137 x 80 x 148 mm
housing: robust sheet steel casing with black-grey powder coating
front panel: plastics, blue

Ambient conditions

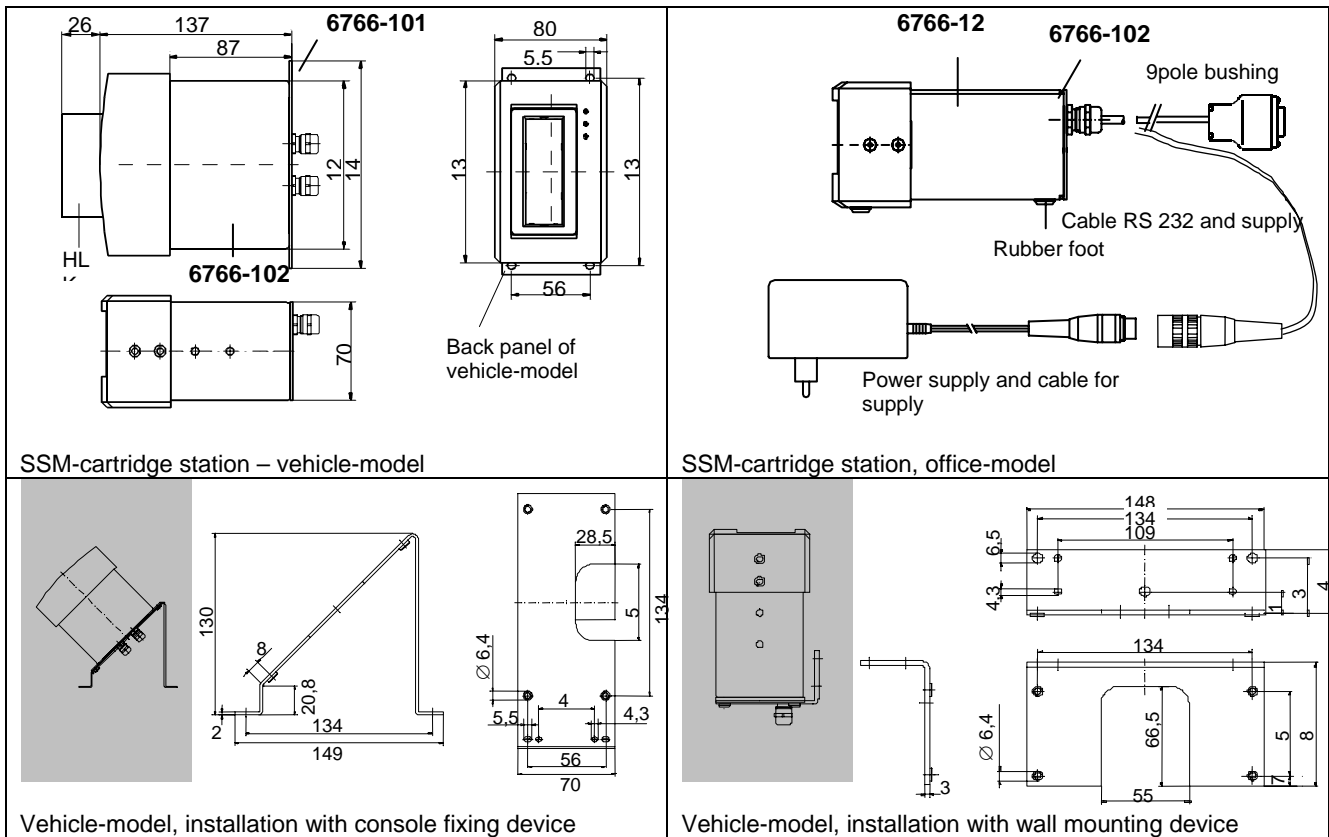
operation temperature: -25 ... +60 °C
storage temperature: -30 ... +75 °C
climatic class: HUF2
protection mode: IP30

Mounting

Vehicle-model: With mounting sheet, to be fixed with 4 Allen screws, M5, or with 4 x 4 blind rivets.
Office model: Rubber-foot (drawing)

SSM cartridges

type: 6765-10
dimensions: 24,5 x 74 x 106 mm
weight: approx. 2N (\approx 0,2 kg)
storage capacity: 128 KByte,
1, 2, 4 Mbyte
memory: integrated SRAMS,
battery back-up



Order designations

SSM-cartridge station, type 6766-12
Order no. U 899 1 767 6612

Cartridge type 6765-10
Order no. U899 1 676 5 10X
storage capacity:
128 Kbyte 1
1 Mbyte..... 5
2 Mbyte..... 6
4 Mbyte..... 7

Accessories

Console fixing device
Order no. U 050 0 7512

Connection-set vehicle type 6711-101
Order no. 202 661

Wall mounting device
Order no. U 050 0 7510

Connection-set office type 6766-102
Order no. 202 662