SIEMENS

Interface for PC (Software ACS410) OCI410…

The OCI410… serves as an interface between the ACS410 PC tool and a LME39… / LME7... / LMV2... / LMV3... basic unit.

The OCI410... and this Data Sheet are intended for use by OEMs which integrate the interface in their products!

Use

The OCI410… is a microprocessor-based interface featuring galvanic isolation, which enables the LME39… / LME7... / LMV2… / LMV3... basic units to be connected to a PC.

On the PC side, the OCI410… is to be connected to the USB port, on the basic unit side to the BCI port.

In connection with the ACS410 PC software, the following functions are provided:
- Visualization of plant states
- Parameterization of the basic units
- Logging

Warning notes

To avoid injury to persons, damage to property or the environment, the following warning notes must be observed!

Do not open, interfere with or modify the unit. Siemens will not assume responsibility for damage resulting from unauthorized interference!

- All activities (mounting, installation and service work, etc.) must be performed by qualified staff
- Before making any wiring changes in the connection area, completely isolate the unit from the mains supply (all-polar disconnection). Ensure that the plant cannot be inadvertently switched on again and that it is indeed dead.   If not observed, there is a risk of electric shock hazard
- Cable extensions on the basic unit side (BCI line) are not permitted since there is no safe separation from mains voltage

Mounting notes

- Ensure that the relevant national safety regulations are complied with
- Make certain that strain relief of the connected cables is in compliance with the relevant standards (e.g. as per DIN EN 60 730 and DIN EN 60 335)
- Ensure that the USB connector is correctly plugged into the PC and that it cannot work loose during the time the PC tool is used
- The OCI410… connecting cable of the BCI port (telephone plug RJ11) may only be plugged in when the plant is dead (all-polar disconnection) since the BCI port of the LME39… / LME7... / LMV2… / LMV3... basic units does not provide safe separation from mains voltage

Software installation

- When using the OCI410, the USB port on the PC requires special software components. These are delivered along with the ACS410 installation files (refer to Installation and Operating Instructions ACS410 J7352)

Disposal notes

The unit contains electrical and electronic components and must not be disposed of together with household waste. Local and currently valid legislation must be observed.

Type summary

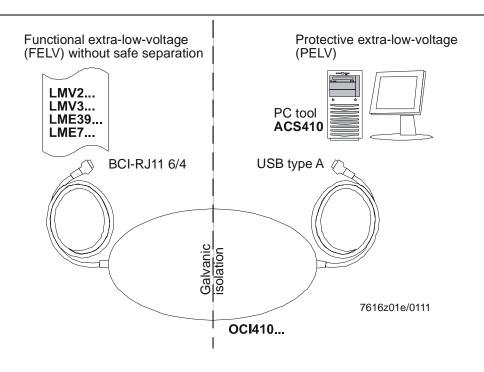| **OCI410…**		
	OCI410.20	Version for making diagnostics, ACS410 PC tool
	OCI410.30	Version for the heating engineer (standard), parameterization with the ACS410 PC tool, parameter changes on password level "Heating engineer" can be made
	OCI410.31	OEM version for LME39..., parameterization with ACS410 PC tool, parameter changes on password level "OEM" can be made
	OCI410.40	OEM version, parameterization with ACS410 PC tool, parameter changes on password level "OEM and heating engineer" can be made

Technical data

OCI410…	Operating voltage (USB supply)	DC 5 V ±5 % (PELV)
	Power consumption	< 0.5 W
	Safety class	II
	Degree of protection	IP40
	Mounting position	optional

System requirements	USB specification	min. USB 1.1
	Operating system	refer to documentation J7352 "ACS410"

Cable lengths	USB	approx. 1.5 m
	BCI	approx. 1.5 m

Environmental conditions	**Storage**	DIN EN 60 721-3-1
	Climatic conditions	class 1K3
	Mechanical conditions	class 1M2
	Temperature range	-20...+60 °C
	Humidity	< 95 % r.h.
	Transport	DIN EN 60 721-3-2
	Climatic conditions	class 2K2
	Mechanical conditions	class 2M2
	Temperature range	-20...+60 °C
	Humidity	< 95 % r.h.
	Operation	DIN EN 60 721-3-3
	Climatic conditions	class 3K3
	Mechanical conditions	class 3M3
	Temperature range	-20...+60 °C
	Humidity	< 95 % r.h.

⚠️ **Warning!**
Condensation, formation of ice and ingress of water are not permitted!

Connection diagram

Functional extra-low-voltage (FELV) without safe separation

LMV2...
LMV3...
LME39...
LME7...

BCI-RJ11 6/4

Protective extra-low-voltage (PELV)

PC tool
ACS410

USB type A

Galvanic isolation

OCI410...

7616z01e/0111

Indication of operating states via LEDs

LED color	Description
Red, flashing fast	Internal device error OCI410...
Orange, steady	Standby (connection BCI dead)
Green, steady	Standby (LME39… / LME7... / LMV2… / LMV3..., connected and ready to operate)
Green, flashing	Communication PC ACS410 ↔ BCI (LME39… / LME7... / LMV2… / LMV3...)

Dimensions

Dimensions in mm

OCI410…

7616m01/0906