



Serial Interface Cable

OCI425

Interface cable for connection between PC and LMU...burner control.

The OCI425 and this Data Sheet are intended for use by OEMs which integrate the serial interface cable in their products!

Features

- Galvanic separation between PC signal and connected circuitry
- Data transmission rate up to 19400 kBaud
- Low power consumption
- Direct connection of RX / TX to microcontroller
- Compact design

Warning notes



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

- Only for boiler control systems specified for use in connection with the OCI425
- Before making any wiring changes in the connection area, completely isolate all equipment from mains supply (all-polar disconnection)
- Ensure protection against electric shock hazard by providing adequate protection for the connection terminals
- Observe the technical documentation supplied with the relevant boiler control system

Mounting notes

- Ensure that the relevant national safety regulations are complied with

Standards

IEC 1010 or EN 61010 EN 60529 EWG 889	Safety regulations for electrical measuring instruments, controls and laboratory equipment Degrees of protection provided by housings EMC requirements for electrical work equipment
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Disposal notes



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

Ordering

Interface cable for communication

OCI425

Technical data

General data	Power supply	DC 4...6 V
	Frequency transmission	max. 20 kHz
	RS-232 voltage	DC 9...14 V
	Current draw	max. 6 mA totally max. 6 mA TX max. 200 µA RX max. 500 µA
	Galvanic separation	> 2.5 kV
Mechanical design	Casing dimensions	33 x 15 x 53 mm
	Electrical connections	
	- On PC side - On unit side	D-Sub 9-pin socket cable ends, special connector as requested
Environmental conditions	Storage	IP20
	Temperature range	-15...+80 °C
	Humidity	max. 85 %
	Transport	
	Temperature range	0...50 °C
	Humidity	max. 85 %
	Operation	
	Temperature range	0...50 °C
	Humidity	max. 85 %



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

Assignment of pins

DB9

Pin no.	Name	Description
2	TX	To PC – data reception
3	RX	From PC – data transmission
4	+ Ub	+power supply adapter
5	GND	GND
7	- Ub	Power supply adapter
1, 6, 8, 9	n.c.	---

Cable

	Core color	Description
1	Brown	4...6 V
2	White	GND
3	Yellow	TX (to PC)
4	Green	RX (from PC)

Dimensions

Dimensions in mm

