SIEMENS

Climatix^{TM}

Climatix HMI-DM   POL895.50/XXX
POL895.51/XXX

For use with Climatix 600 controllers

The Climatix HMI-DM is designed for use with Climatix controllers, for display and system configurations. It is a product of the Climatix range.

The HMI POL895.50/XXX offers the following features:

- **8 lines of display with selectable blue and white backlight**
- **Push-and-roll knob for easy operation**
- **Alarm button with LED indicator**
- **Info button**
- **User-definable password for every access level**
- **Supporting multi-language**
- **Scheduling function**
- **Supporting local and remote installation**
- **Powered by controller via process bus or HMI on the controller**
- **Supporting panel and wall mounting**
- **Firmware can be upgraded via USB interface**

The POL907.00/xxx communication module is part of the Climatix product range
(also refer to Data Sheet 3900 and Mounting Instructions M3910).

Communication concept POL68X

Modbus RS485

Process Bus

Peripheral Bus

Modem Service Interface

System integration

IP Service interface

User/Tool Interface

POL63xx_0000Z01

Communication concept POL63X

Modem Service Interface

LON Bus

Peripheral Bus

System integration

User Interface

Process Bus

IP Service Interface

Modbus RS485

Tool Interface

POL63xx_3230Z05
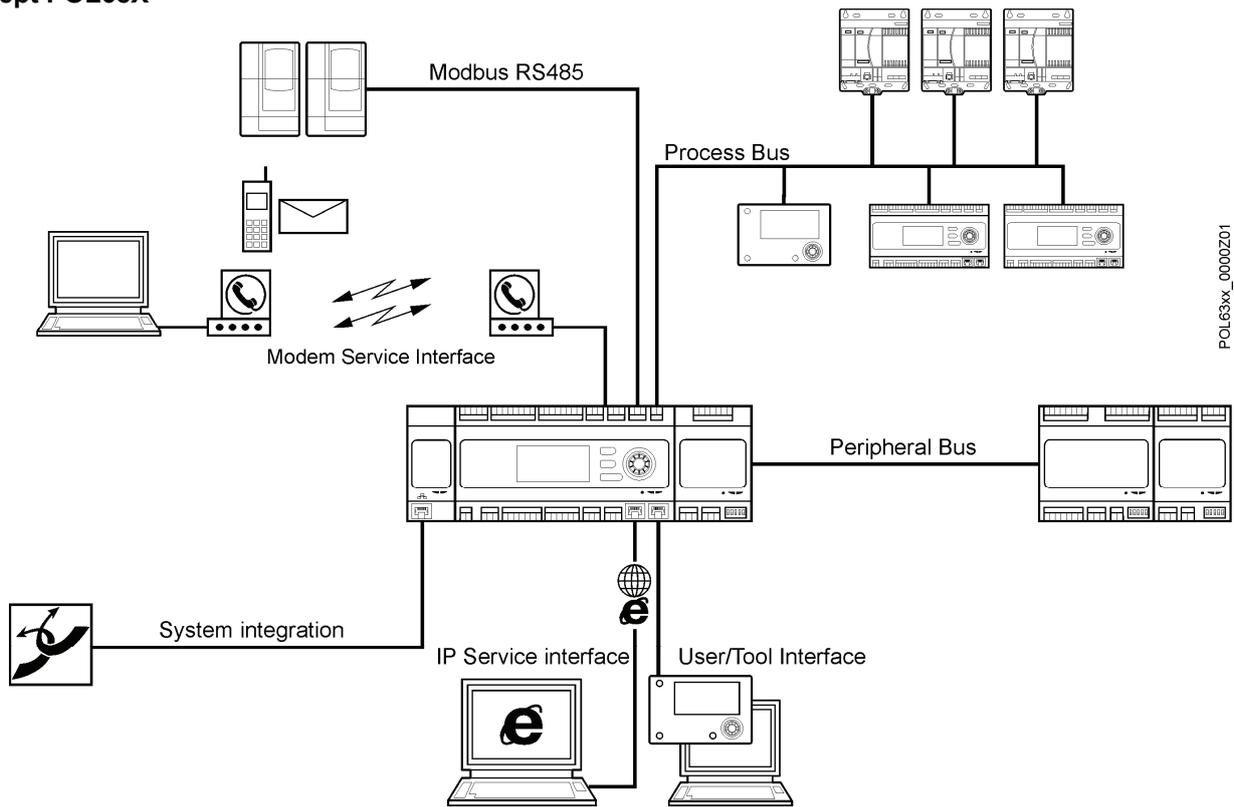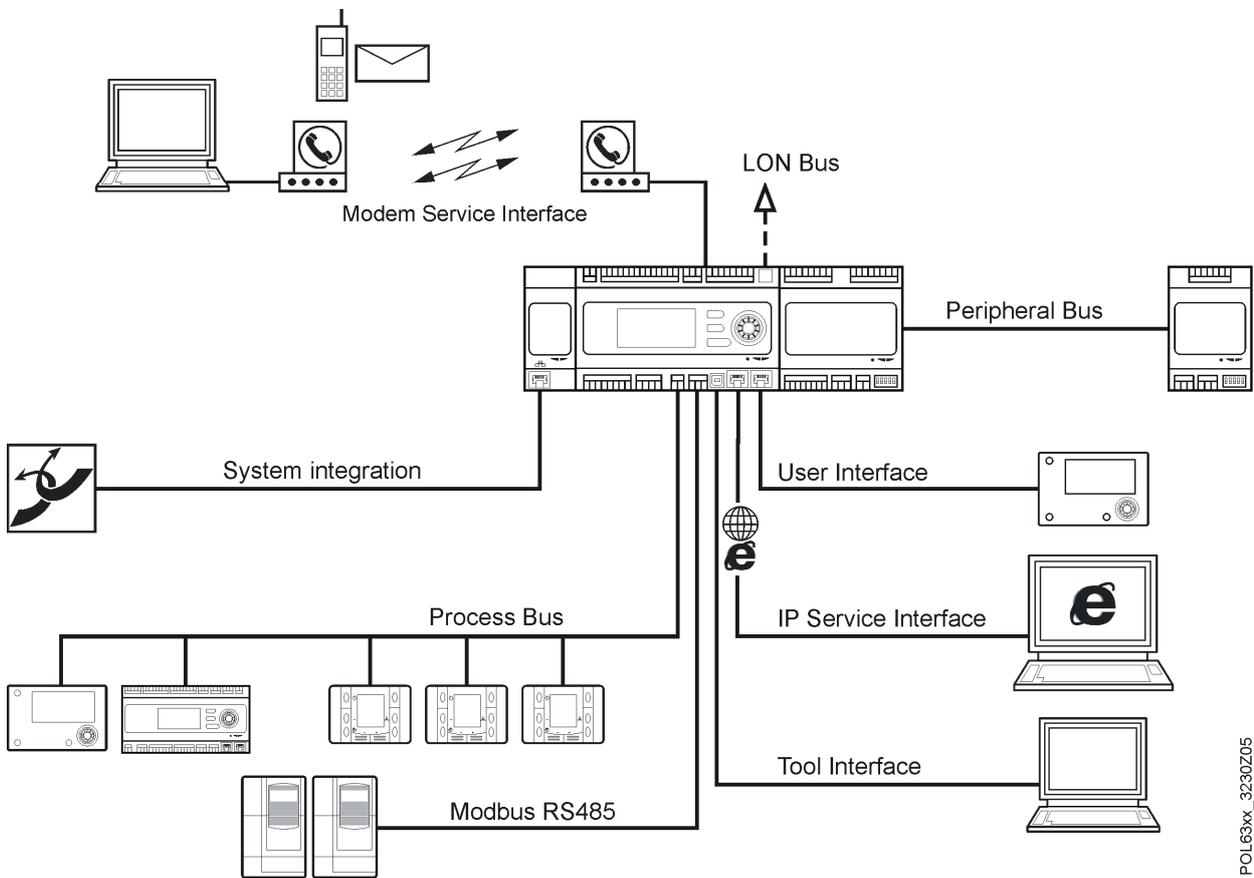
Technical data

Power supply	Power	Powered by controller or separate power supply DC 24 V
	Consumption at DC 24 V	Max. 85 mA
	Consumption via process bus	Max. 85 mA

Interfaces

Connection to process bus

Based on KNX TP1
    Bus connection   CE+, CE-, not interchangeable
    Terminal   2-screw connector
    Max. length   700 m
    Cable type   Twisted pair cable; 0.5…2.5 mm^2 (as per KNX specification)


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CE-  ⊘────────────⊘ CE-
CE+  ⊘────────────⊘ CE+
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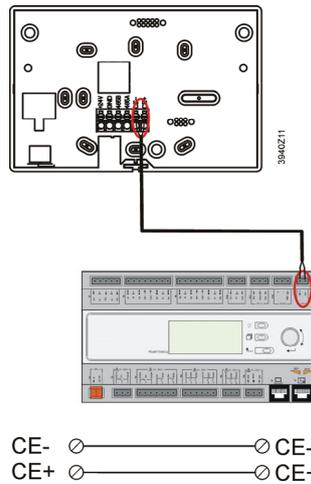
Local HMI connection with standard net cable

RS-485 (EIA-485)
    Connection   RJ45 connector on both sides
    Max. length of shielded cable   50 m
    Max. length of unshielded cable   3 m
    Cable type   Standard net cable with 2 RJ45-plugs (8-wires, twisted pair)
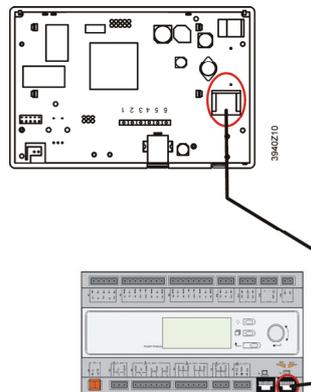
USB interface	USB connection	
	Bus connection	USB 2.0, device, USB-B type

Display	LCD type	FSTN
	Resolution	Dot-matrix 96 X 208
	Backlight	Blue or white, user configurable

Environmental conditions	Operation	IEC 721-3-3
	Temperature	-40...70 °C
	Restriction LCD	-20…60 °C
	Humidity	<90% r.h. (non-condensing)
	Atmospheric pressure	Min. 700 hPa, corresponding to max. 3,000 m above sea level
	Transport	IEC 721-3-2
	Temperature	-40...70 °C
	Humidity	<95% r.h. (non-condensing)
	Atmospheric pressure	Min. 260 hPa, corresponding to max. 10,000 m above sea level

Protection	Degree of protection	IP31 (EN 60529)
	Safety class	Class II (SELV EN 60730)
	Pollution degree	2

Standards	Product safety	
	Automatic electrical controls	EN 60730-1
	Electromagnetic compatibility	
	Immunity in the industrial sector	EN 61000-6-2
	Emissions in the residential, commercial and light industry	EN 61000-6-3
	CE conformity	
	EMC directive	2004/108/EC
	FCC	FCC Part 15 (EMC emission FCC CFR 47, Part 15)
	Listings	
		UL916, UL873
		CSA C22.2M205
	C-tick	
		AS/NZS CISPR 22
		AS/NZS CISPR 14
	RoHS directive	
		2002/95/EC (Europe)
		ACPEIP (China)

General data	Dimensions	144 x 96 x 26 mm
	Weight excl. packaging	256.7 g
	Housing	Plastic, RAL7035

Ordering data	HMI - screen 96 x 208	POL895.50/XXX
	POL 895.50 with cable	POL895.51/XXX

Accessories	Local HMI cable 1.5 m	POL0C1.40/XXX

Disposal notes

The HMI-DM contains electrical and electronic components and must not be disposed of together with household waste.

Local and currently valid legislation must be observed!

Engineering notes

The design complies with SELV conforming to EN 60730. To ensure protection against accidental contact with any other part carrying voltages above 42 V_{eff}, take care of connection when wiring.

Layout of HMI-DM

Subject to change

Climatix HMI-DM