



STEGO SHC 071 Sensor Hub and Sensors User Guide

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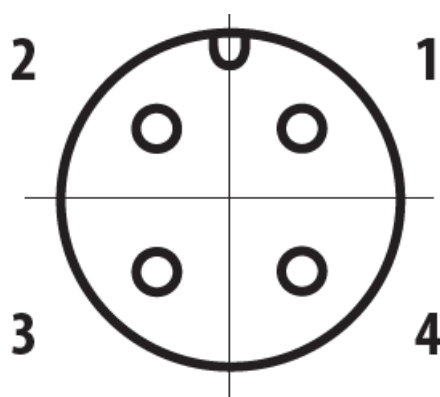
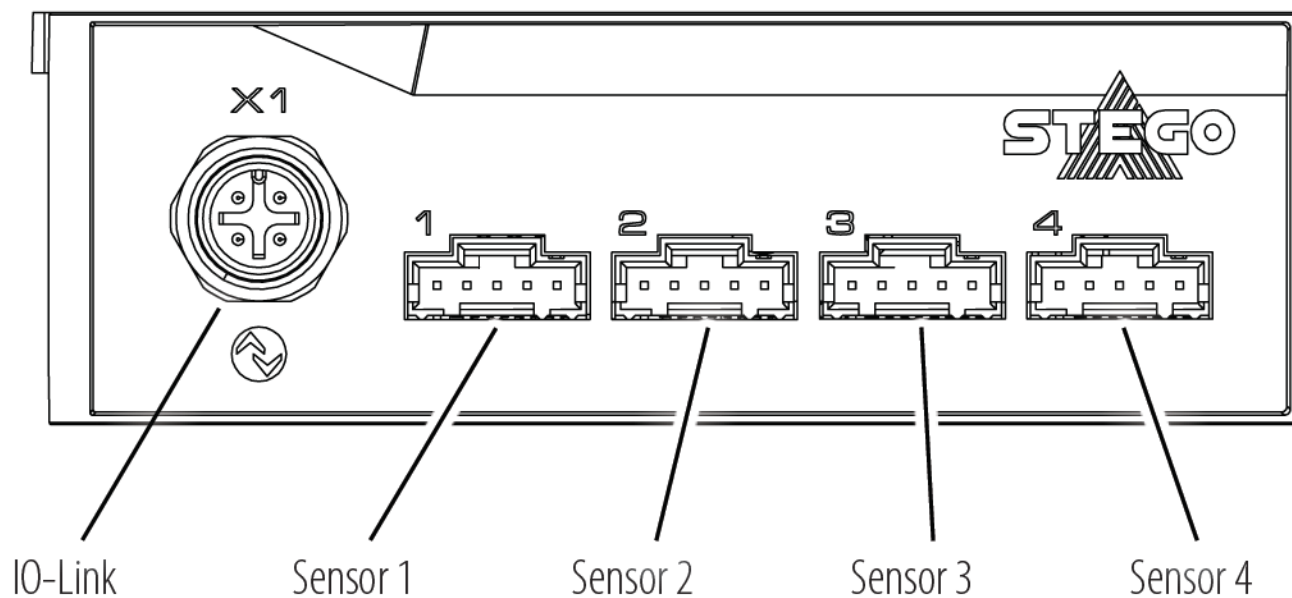


STEGO SHC 071 Sensor Hub and Sensors



Quick Start Guide

Pin	Description
1	+24V DC
2	n/a
3	GND
4	IO-Link Kommunikation

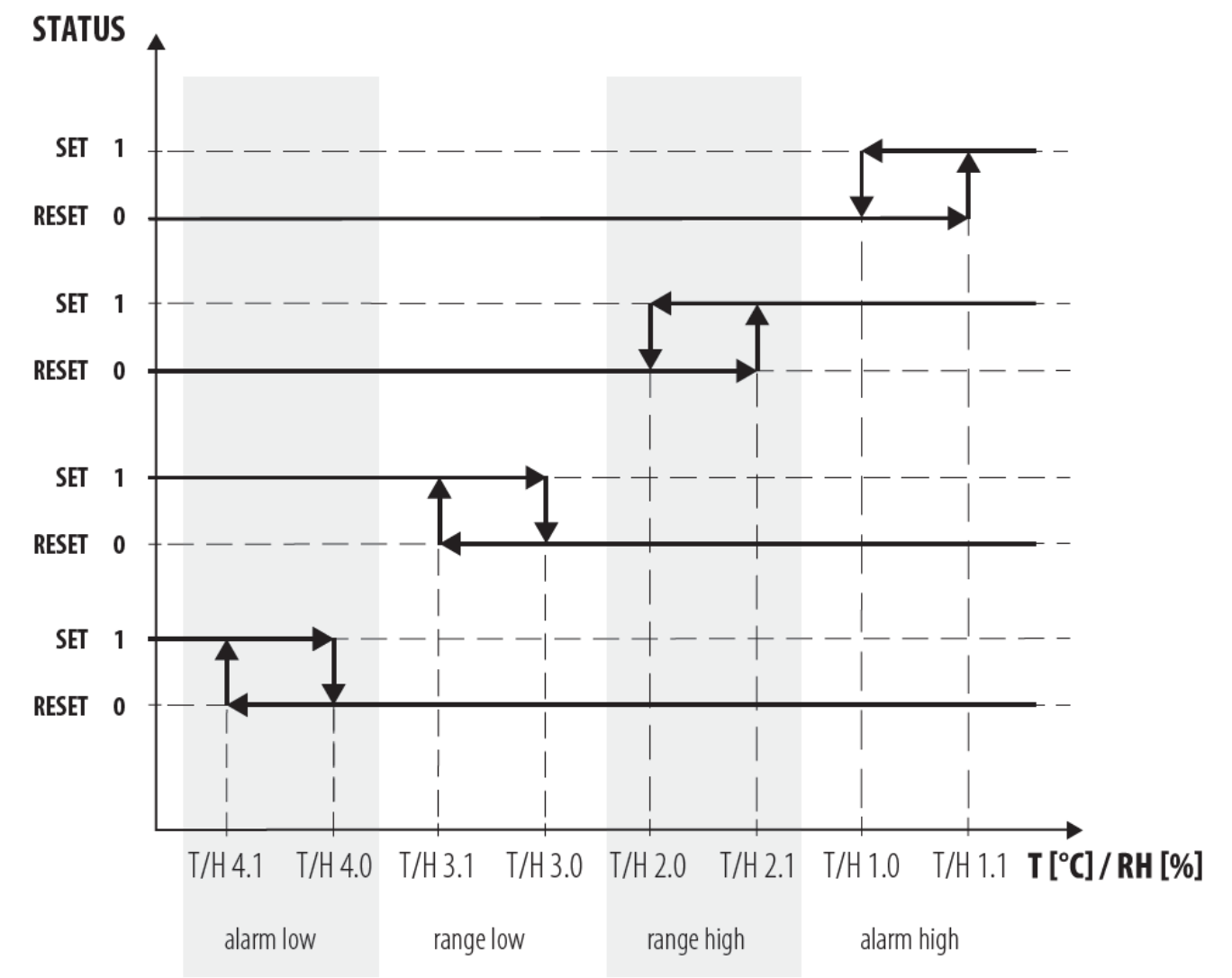


Art.-NO. Sensor x	Name
07300.0-00	SEN073 (temperature / humidity), IP64
07300.1-00	SEN073 (temperature / humidity), IP20, 1m
07300.1-01	SEN073 (temperature / humidity), IP20, 2m
07301.0-00	SEN073 (pressure / temperature), IP64
07302.0-00	SEN073 (light), IP67/IP66
07303.0-00	SEN073 (VOC), IP40

EVENTS (Example for one temperature/humidity-sensor)

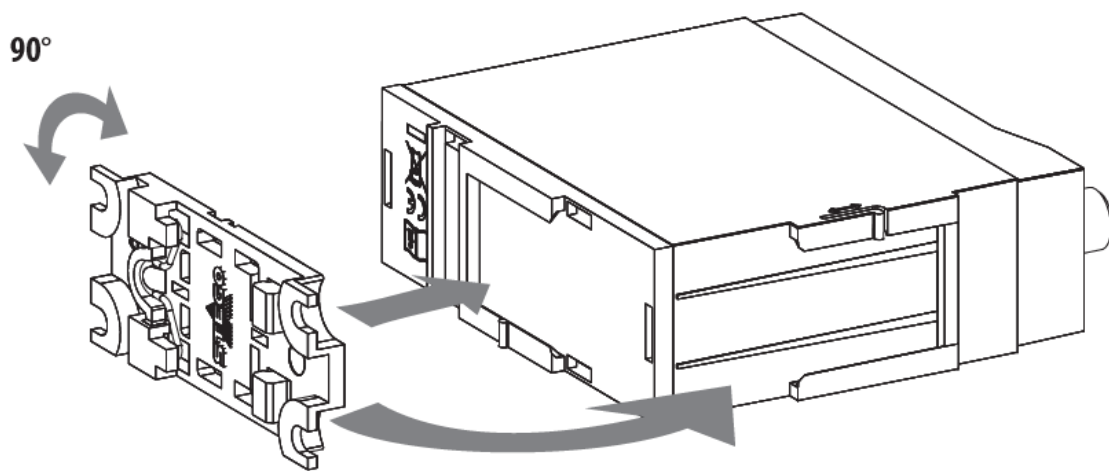
	SET 1		RESET 0	
EVENT	temperature T [°C]	humidity RH [%]	temperature T [°C]	humidity RH [%]
alarm high	T 1.1	H 1.1	T 1.0	H 1.0
range high	T 2.1	H 2.1	T 2.0	H 2.0
range low	T 3.1	H 3.1	T 3.0	H 3.0
alarm low	T 4.1	H 4.1	T 4.0	H 4.0

STATUS

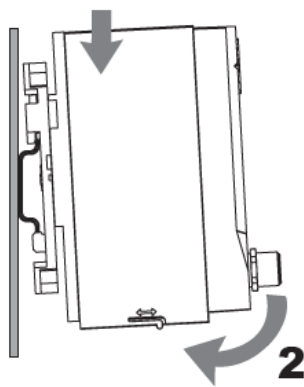
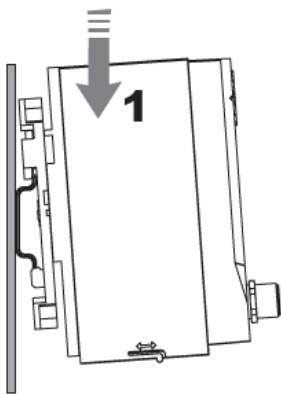


DIAGNOSIS

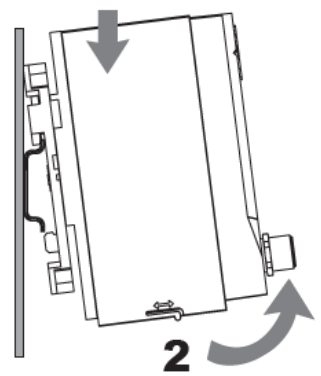
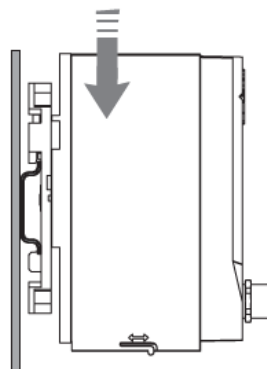
Device status
Error counter
Operating hours
Power-On counter
Event counters for max. and min. temperature and humidity values
Event counters for adjustable temperature and humidity parameters
Temperature and humidity histogram-data
Reset counters for temperature and humidity events
Reset whole parameter (NOTE: Password required, „stego“)

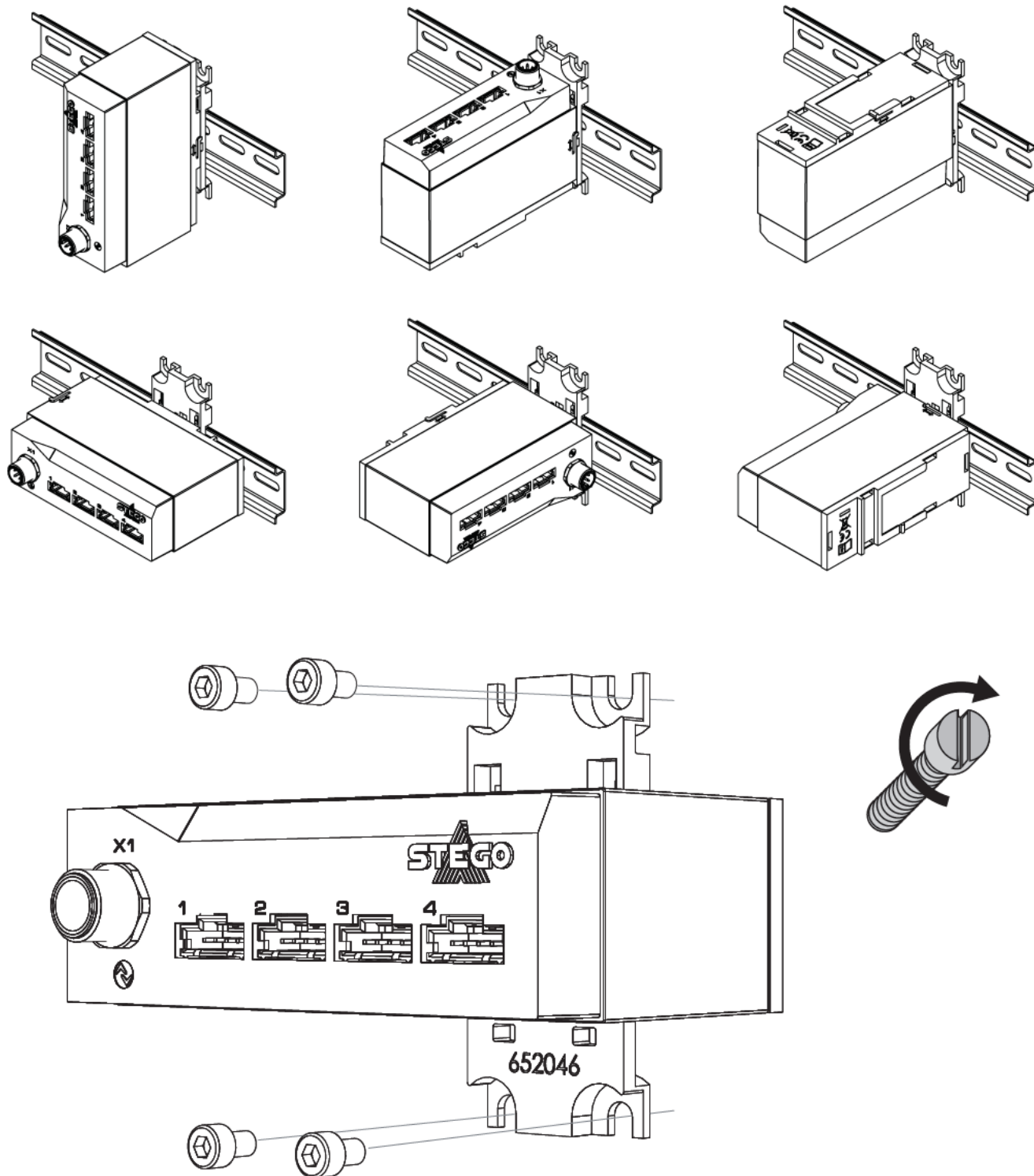


Installation / Montage

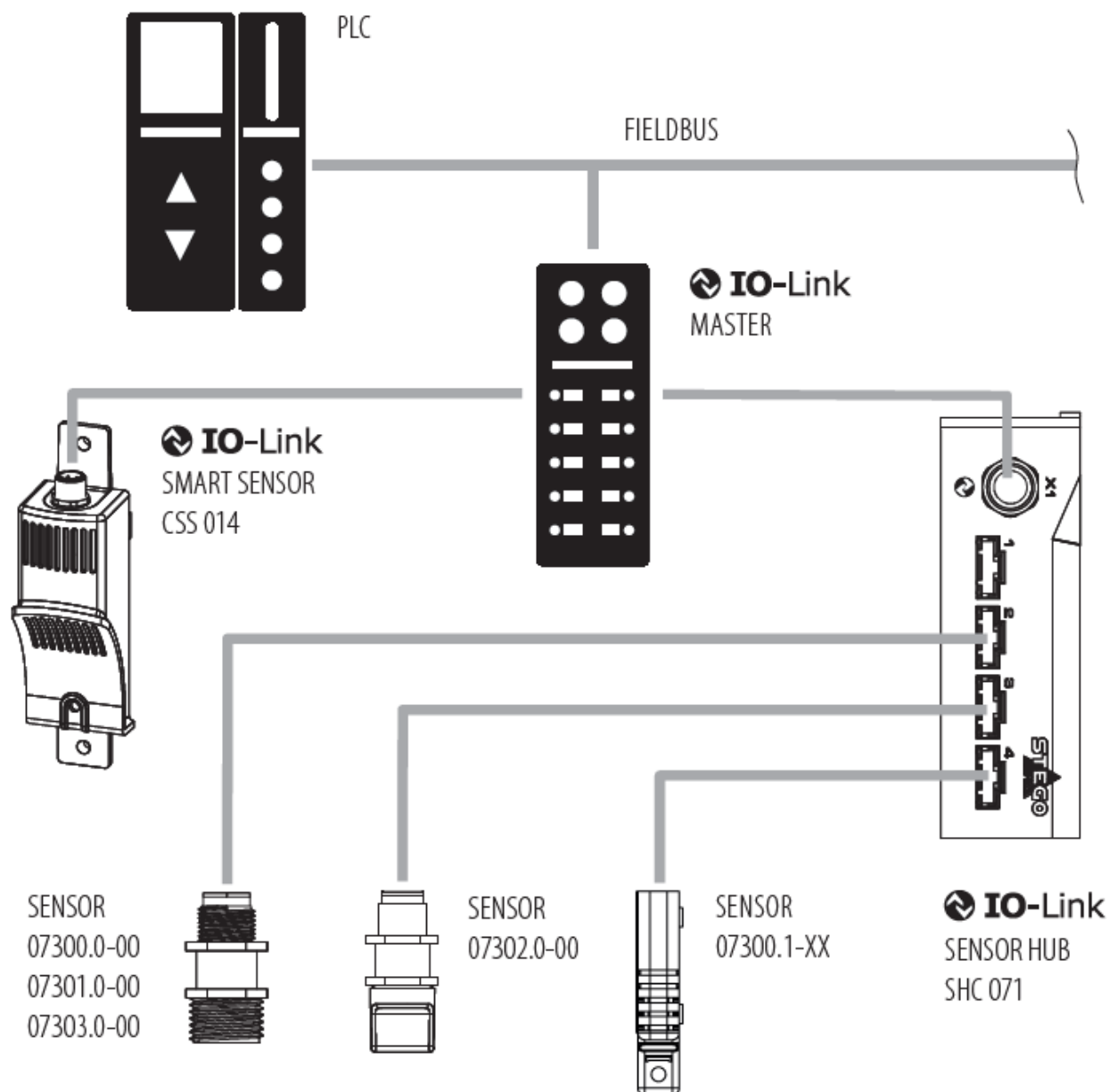


Dismantling / Demontage

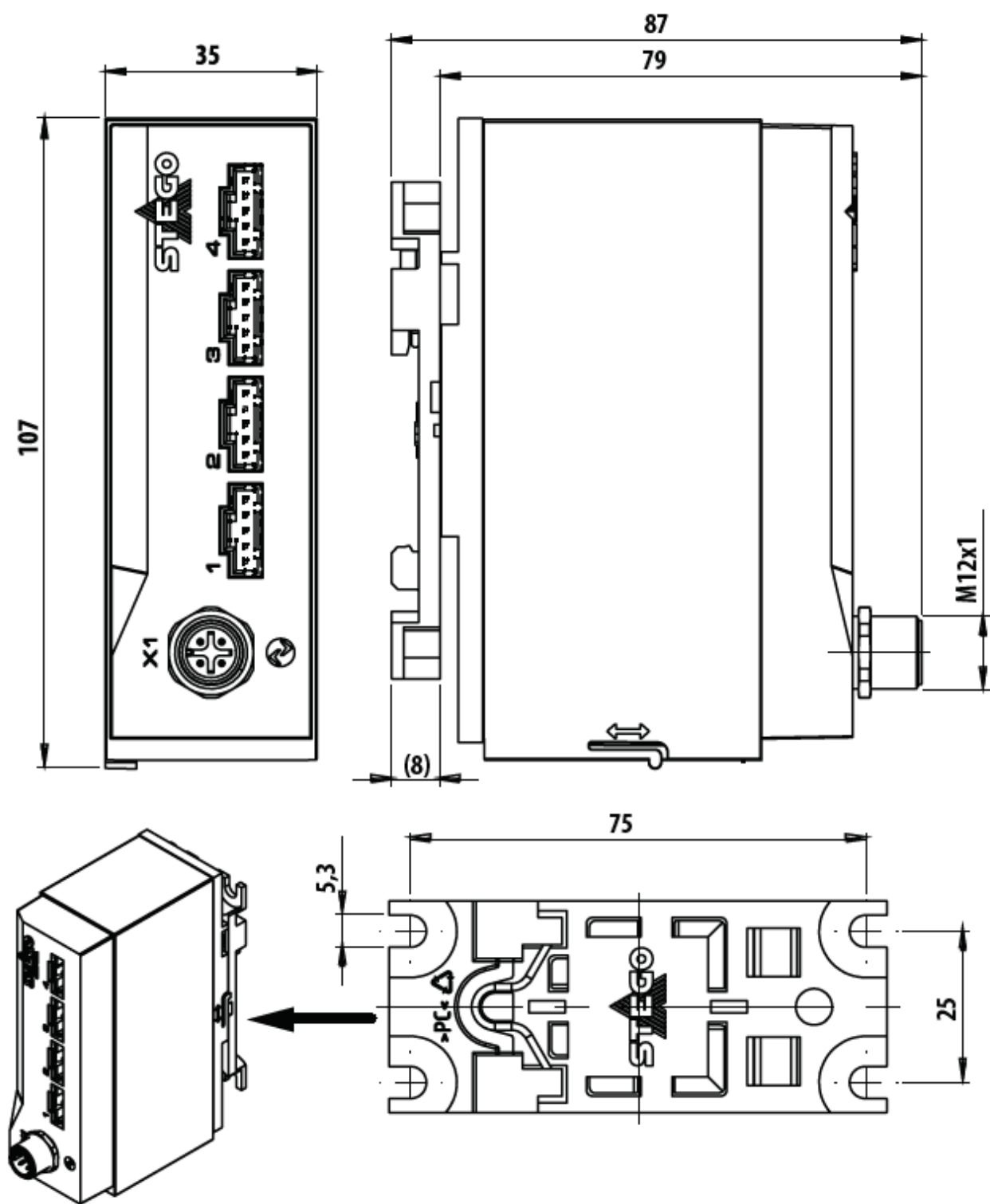




EXAMPLE



WARNING: There is a risk of personal injury and equipment damage if the connection values are not observed or polarity is incorrect!

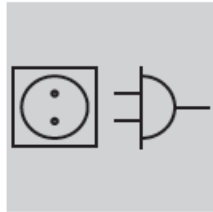




-40 ... +80°C (-40 ... +176°F)



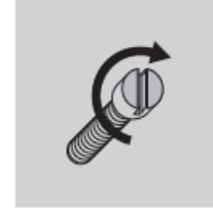
max. 90% RH



DC 24V (18 ... 30V),
P max. 0.5 W



max. 4000m



2 Nm max.
(17.7 lb-in)



110 g

Application

The IO-Link sensor hub records measurement data (temperature, air humidity, pressure, light) from up to four external sensors.

It converts the measurement values into IO-Link data and transmits this via an IO-Link master to a higher-level control and monitoring level (PLC system, cloud).

Safety considerations

- The installation may only be carried out by qualified electricians in compliance with the respective national power supply guidelines (IEC 60364).
- The IO-Link sensor hub must be provided with an SELV power supply unit as per one of the following standards: IEC 60950-1, IEC 62368-1 or IEC 61010-1.
- The technical data on the rating plate must be strictly observed.
- In case of apparent damage or malfunction, the device may not be repaired or put into operation. (Dispose of device.)
- No changes or modifications must be made to the device.

Installation guidelines

- The device must not be operated in environments with aggressive atmospheres.
- Connection to round plug M12, IEC 61076-2-101, 4-pin, A-coded.
- The device must only be operated in an environment that ensures contamination class 2 (or better) in accordance with IEC 61010. Contamination class 2 means that only non-conductive contamination may occur. However, it is likely that there will occasionally be temporary conductivity caused by condensation.
- After the installation, the assignment of the input channels (1–4) of the device to the sensors must be checked.
- Before commissioning a higher-level system, the values of the connected sensors must be checked for plausibility.

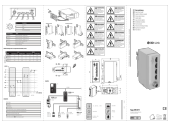
Maintenance and disposal

- No maintenance or servicing measures are necessary.
- After use, the device must be disposed of in an environmentally friendly manner in line with applicable national regulations. IODD file
- Download the IODD file using the following link: www.stego-connect.com/software.
- Then import the IODD file into your control software.
- You can find detailed information on the device and the IODD parameters on the STEGO website.

Notice

The manufacturer accepts no liability in the case of failure to observe this brief instruction, improper use and changes or damage to the device.

Documents / Resources

	<p>STEGO SHC 071 Sensor Hub and Sensors [pdf] User Guide SHC 071 Sensor Hub and Sensors, SHC 071, Sensor Hub and Sensors, Sensor Hub, Hub, Sensors</p>
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References

-  [Software | STEGO](#)