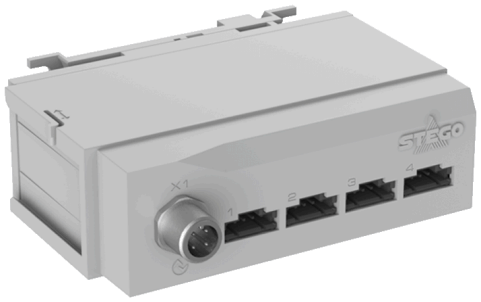
SENSOR HUB

SHC 071 | 07100.2-00



This interface adds IO-Link functionality to digital STEGO sensors. Measurement data from up to four external, non-IO-Link-capable sensors is transmitted to an IO-Link master. The sensor hub thus quadruples the capacity of a port on the IO-Link master. That's how easy it is to turn a digital STEGO sensor into an IO-Link sensor.

- Connection of up to four digital STEGO sensors (see version table below) to an IO-Link master
- Quick connection: M12 male connector
- Connector for sensors

OVERVIEW TECHNICAL DATA

Device type	IO-Link products
Measurement signal	4 slots SEN 073
Electrical protection	Reverse polarity protection, short-circuit proof, overvoltage protection
Protection class	III
Protection type	IP40
Casing	Plastic to UL94 V-0, light grey
AC/DC	DC
Operating voltage	24 V
Power consumption	0,5 W
Operating temperature	-40 °C - 80 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 85 °C
Connection	M12 round plug, IEC 61076-2-101, 4-pin, A-coded, shielded
Design	IO-Link (Version 1.1)
Mounting	Clip for 35 mm DIN rail, EN 60715 and M5 screw fixing
Setup height	≤4000 m
Height	35 mm
Width	107 mm
Depth	87 mm
Weight	110 g
Item number accessories 1	07300.1-00
Item number accessories 2	07301.0-00
Item number accessories 3	07303.0-00
Item number accessories 4	07302.0-00

Note	Sensors SEN 073 not included in article number

CABLES

Article number	Connection
244445	Fully assembled with M12 cable socket IEC 61076-2-101, 4-pin, A-coded, shielded
244446	for self-assembly, incl. M12 cable socket IEC 61076-2-101, 4-pole, A-coded, shielded
244447	for self-assembly, incl. M12 cable socket IEC 61076-2-101, 4-pole, A-coded, shielded

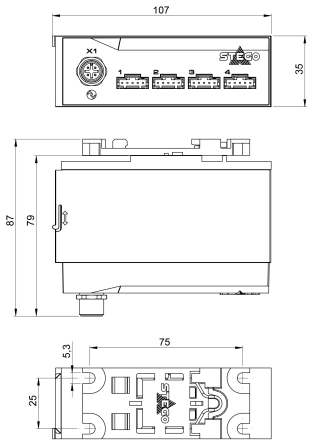
SENSORS FOR SENSOR HUB

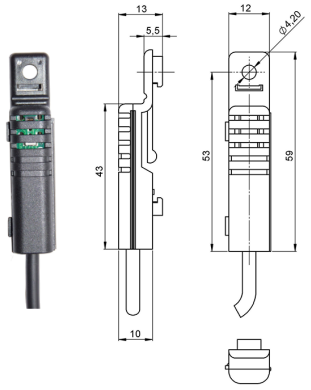
Article number	Measurement signal	Casing	measurement_range	measurement_range_tolerance	measurement_range_2	measurement_range_2_tolerance	reaction_time	Operating temperature	Operating humidity	Storage humidity	Storage temperature	Connection	Design	Setup height	Height	Width	Depth	Weight	Item number accessories 1	Item number accessories 2	Item number accessories 3
07300.0-00	Temperature, relative humidity	Stainless steel	-40 °C - 70 °C	± 0,2 K	0 % RH - 100 % RH	± 2 %	1: t63 <120 s / 2: t63 <20 s	-40 °C - 70 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Male connector M12 IEC 61076-2-101, 4-pole, A-coded	SHC 071 sensor	≤4000 m	Ø 20 mm	Ø 20 mm	33,5 mm	25 g	244445	244446	244447
07300.1-00	Temperature, relative humidity	Plastic to UL94 V-0, black	-40 °C - 80 °C	± 0,2 K	0 % RH - 100 % RH	± 2 %	1: t63 <90 s / 2: t63 <7 s	-40 °C - 85 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Cable with male connector, shielded, 1.0 m	SHC 071 sensor	≤4000 m	13 mm	12 mm	59 mm	40 g			

Article number	Measurement signal	Casing	measurement_range	measurement_range_tolerance	measurement_range_2	measurement_range_2_tolerance	reaction_time	Operating temperature	Operating humidity	Storage humidity	Storage temperature	Connection	Design	Setup height	Height	Width	Depth	Weight	Item number accessories 1	Item number accessories 2	Item number accessories 3
07300.1-01	Temperature, relative humidity	Plastic to UL94 V-0, black	-40 °C - 80 °C	± 0,2 K	0 % RH - 100 % RH	± 2 %	1: t63 <90 s / 2: t63 <7 s	-40 °C - 85 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Cable with male con-nector, shiel-ded, 2.0 m	SHC 071 sensor	≤4000 m	13 mm	12 mm	59 mm	70 g			
07301.0-00	Absolute air pressure, temperature	Stainless steel	300 hPa - 1100 hPa	± 1,0 hPa	-40 °C - 70 °C	± 0,5 K	1: t63 <5 s / 2: t63 <150 s	-40 °C - 70 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Male con-nector M12 IEC 61076-2-101, 4-pole, A-coded	SHC 071 sensor	≤4000 m	Ø 20 mm	Ø 20 mm	33,5 mm	25 g	244445	244446	244447
07302.0-00	visible light	Stainless steel	0,01 lx - 83865 lx	± 0,2 %			t90 <7 s	-40 °C - 70 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Male con-nector M12 IEC 61076-2-101, 4-pole, A-coded	SHC 071 sensor	≤4000 m	Ø 20 mm	Ø 20 mm	40 mm	25 g	244445	244446	244447

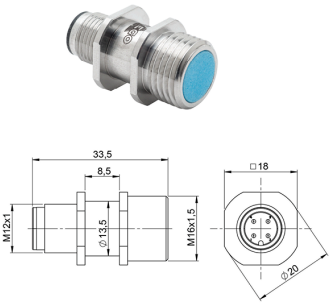
Article number	Measurement signal	Casing	measurement_range	measurement_range_tolerance	measurement_range_2	measurement_range_2_tolerance	reaction_time	Operating temperature	Operating humidity	Storage humidity	Storage temperature	Connection	Design	Setup height	Height	Width	Depth	Weight	Item number accessories 1	Item number accessories 2	Item number accessories 3
07303.0-00	Air quality, temperature	Stainless steel	0 VOC index - 500 VOC index		-10 °C - 50 °C	± 0,2 K	1: t63 <10 s / 2: t63 <150 s	-10 °C - 50 °C	≤100 % RH	≤90 % RH	-40 °C - 85 °C	Male con-nector M12 IEC 61076-2-101, 4-pole, A-coded	SHC 071 sensor	≤4000 m	Ø 20 mm	Ø 20 mm	33,5 mm	25 g	244445	244446	244447

TECHNICAL DRAWINGS

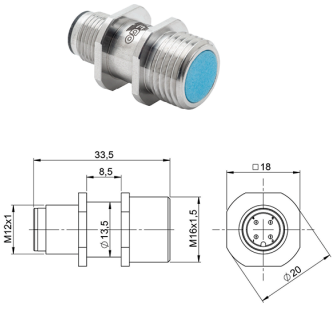




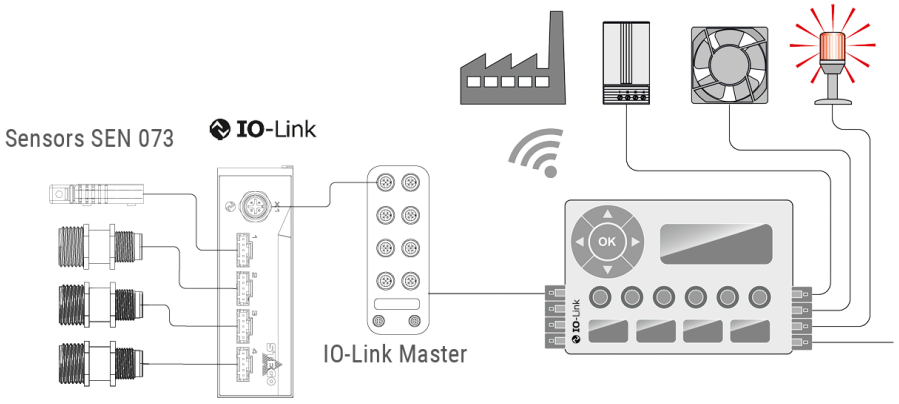
07300.1-00 | 07300.1-01



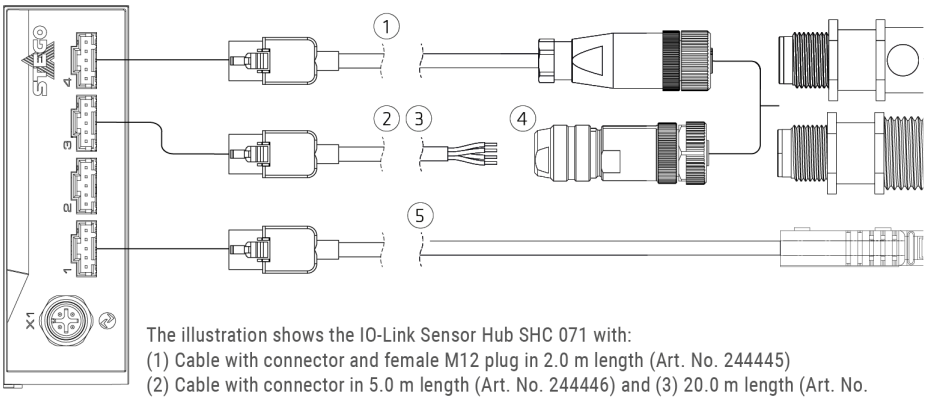
07300.0-00 | 07301.0-00 | 07303.0-00



07300.0-00 | 07301.0-00 | 07303.0-00



Connection example



The illustration shows the IO-Link Sensor Hub SHC 071 with:
(1) Cable with connector and female M12 plug in 2.0 m length (Art. No. 244445)
(2) Cable with connector in 5.0 m length (Art. No. 244446) and (3) 20.0 m length (Art. No. 244447), each incl. (4) female M12 plug for self-assembly
(5) Temperature+Humidity Sensor SEN 073, IP20, in 1.0 m or 2.0 m cable length with connector