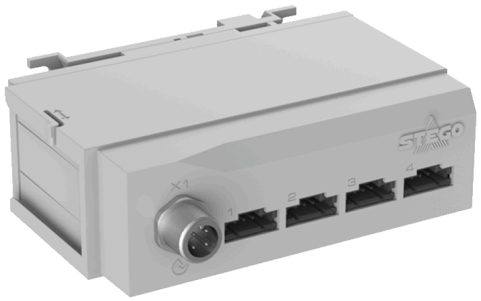
# SENSOR HUB

## SHC 071



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 |

## PRODUCT VARIANTS

| Article number |
|---|
| 07100.2-00 |

## CABLES

| Article number | Connection |
|---|---|
| 244445 | Fully assembled with M12 cable connector (IEC 61076-2-101), 4-pole, A-coded, shielded, 2.0 m |
| 244446 | For in-house assembly, includes M12 cable connector (IEC 61076-2-101), 4 poles, A-coded, shielded, 5.0 m |
| 244447 | For in-house assembly, includes M12 cable connector (IEC 61076-2-101), 4 poles, A-coded, shielded, 20.0 m |

## 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 | | | |
| 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 connector, shielded, 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 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 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 connector 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 |
| 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 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 |

## TECHNICAL DRAWINGS