



Optical data transmission  
ISD400, ISD400 Pro

ISD400-7211



**Model Name** > [ISD400-7211](#)  
**Part No.** > [1065100](#)



**At a glance**

- PROFIBUS DP interface for the ISD400 Core
- Protocol-free Fast Ethernet interface for the ISD400 Pro
- Fast Ethernet with a transmission rate of 100 Mbps for the ISD400 Pro
- Connection and operation without opening the device
- Version with heating for use in temperatures as low as -40 °C

**Your benefits**

- An integrated optical and electronic alignment aid supports fast and cost-effective commissioning
- Wide operating temperature range guarantees high system throughput, even in cold stores
- Integrated PROFIBUS DP repeater for the ISD400 Core for cost-effective and straightforward multi-master configuration
- Output of operating parameters and status information via display and switching output in the ISD400 Pro to prevent unexpected failures



**Performance**

Light source:	Laser, infrared (785 nm), Laser, red (660 nm)
Heating:	-
Typ. light spot size (distance):	1.75 m (at 100 m)
Transmission range:	0.2 m ... 150 m
Field of view:	1 ° (sender), 1.5 ° (receiver)
Laser class:	1M

**Interfaces**

Data transmission rate:	100 Mbit/s
Switching output:	HIGH: U <sub>v</sub> - 3 V, LOW: < 2 V
Switching input:	V <sub>s</sub> : sender deactivated
Data interface:	Ethernet

**Mechanics/electronics**

Supply voltage V <sub>s</sub> :	DC 18 V ... 30 V
Power consumption:	< 0.2 A
Weight:	Ca. 800 g
Housing material:	AlSi12

Connection type: 1 x Ethernet female connector M12, 4-pin, D-coded  
 1 x power supply male connector M12, 4-pin, A-coded

Frequency: F1

**Ambient data**

Enclosure rating: IP 65

Protection class: III

Electromagnetic compatibility (EMC): EN 61000-6-2/EN 61000-6-4 <sup>1)</sup>

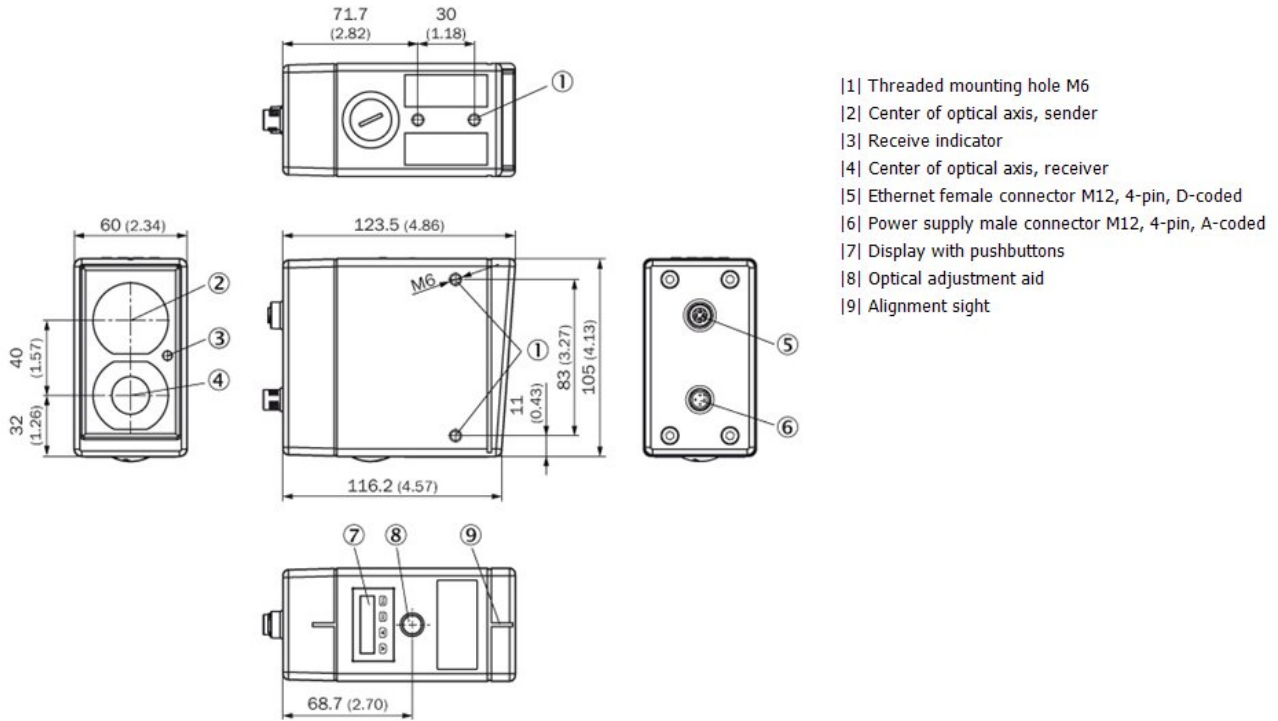
Ambient operating temperature: -20 °C ... +55 °C

Storage temperature: -40 °C ... +75 °C

Max. rel. humidity (not condensing): 90 %, non-condensing

<sup>1)</sup> This is a Class A device. This device can cause radio interference in living quarters.

**Dimensional drawing**

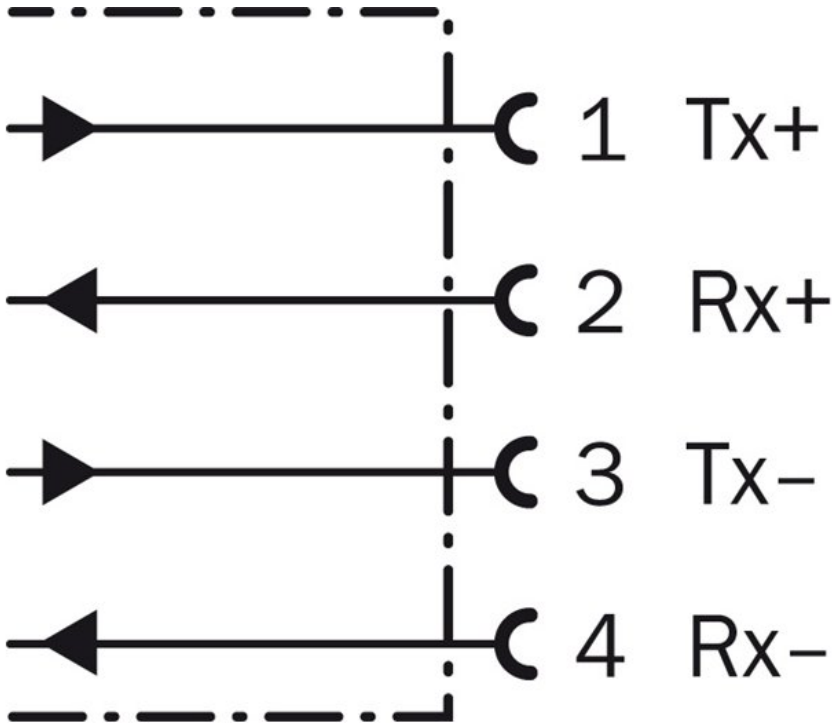


## Adjustments

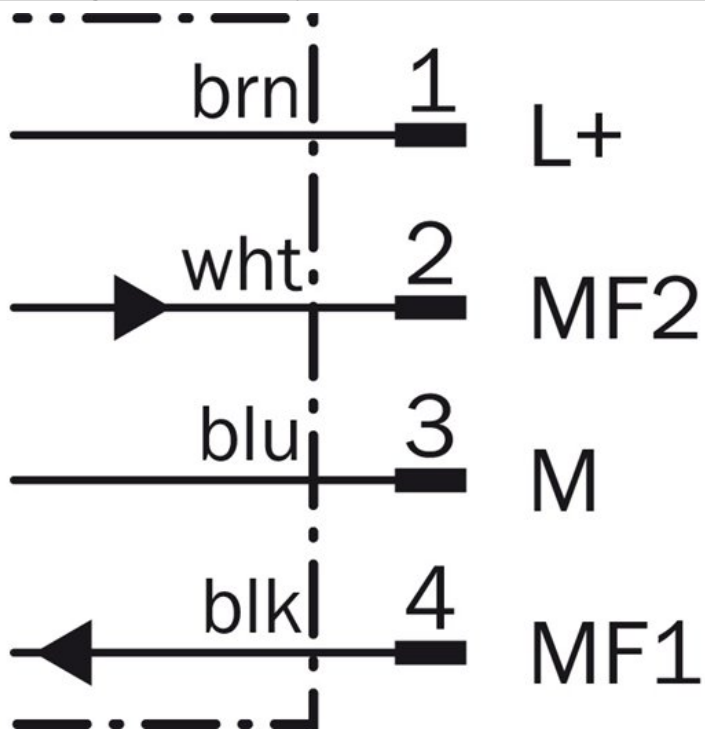


[6] Liquid crystal display with funktion keys

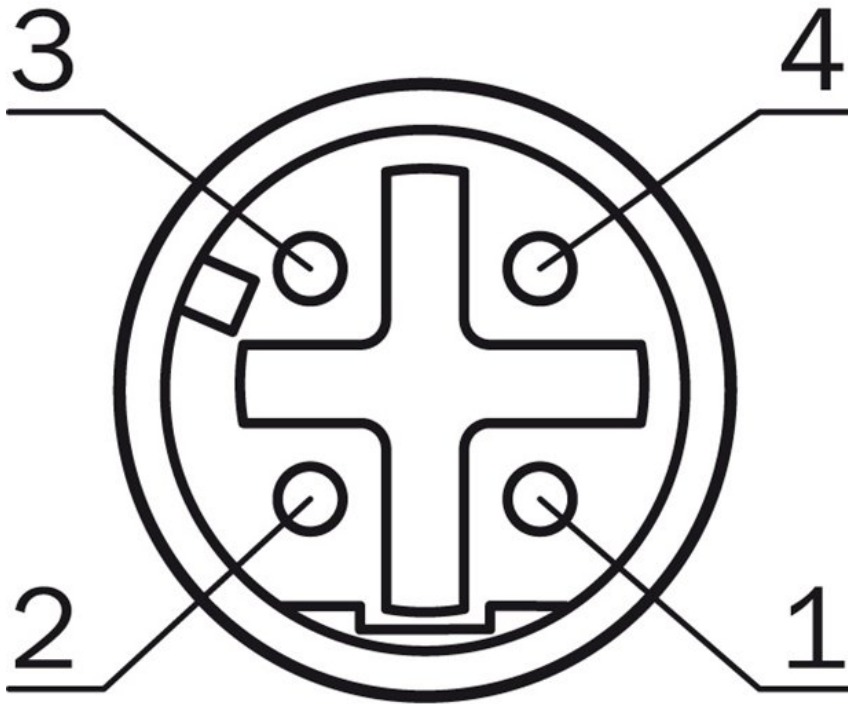
## Connection diagram Ethernet

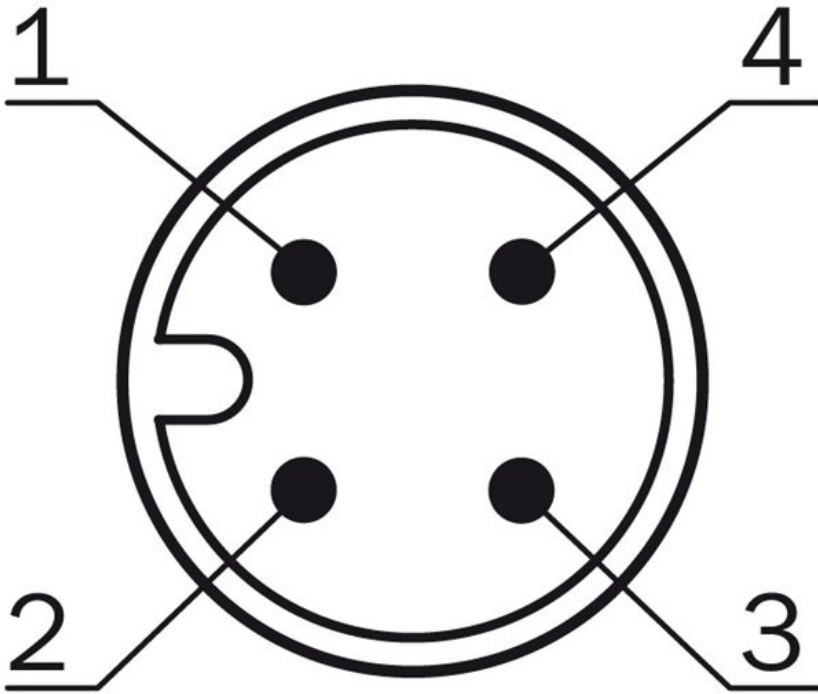


Connection diagram power supply



Connection type Ethernet





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