



Optical data transmission ISD400, ISD400 Core, Ethernet

ISD400-6111



Model Name > [ISD400-6111](#)
Part No. > [1046119](#)



At a glance

- Adjustable carrier frequency F1/F2
- Simple installation thanks to optical and electronic alignment help
- Up to 3 Mbit/s optical transfer rate
- 10/100 Mbit Ethernet

Your benefits

- An integrated optical and electronic alignment aid supports fast and cost efficient installation
- The electronically adjustable carrier frequency allows each ISD400 to be used as either sender or receiver unit, thus reducing stock keeping costs
- Large operating temperature range guarantees highest machine up times - even in cold stores
- Increased system speed with fast data transmission



Performance

Light source:	LED, infrared (880 nm)
Heating:	-
Typ. light spot size (distance):	1.75 m (at 100 m)
Transmission range:	0.2 m ... 180 m
Field of view:	Ca. $\pm 0.5^\circ$

Interfaces

Data transmission rate:	3 Mbit/s
Output type:	24 V DC (VS - 2.25 V DC ... VS)
Switching input:	VS: sender deactivated
Signal delay:	$\leq 350 \mu\text{s} + \text{no. of Bytes} \times 8/3 \text{ Mbit/s}$ ¹⁾
Data interface ²⁾ :	Ethernet

¹⁾ 1 μs + 2 Tbit only for PROFIBUS ²⁾ Internal buffer 8 kB

Mechanics/electronics

Supply voltage Vs:	DC 18 V ... 30 V
Power consumption:	$\leq 0.4 \text{ A}$
Weight:	Ca. 900 g
Housing material:	Metal

Connection type:

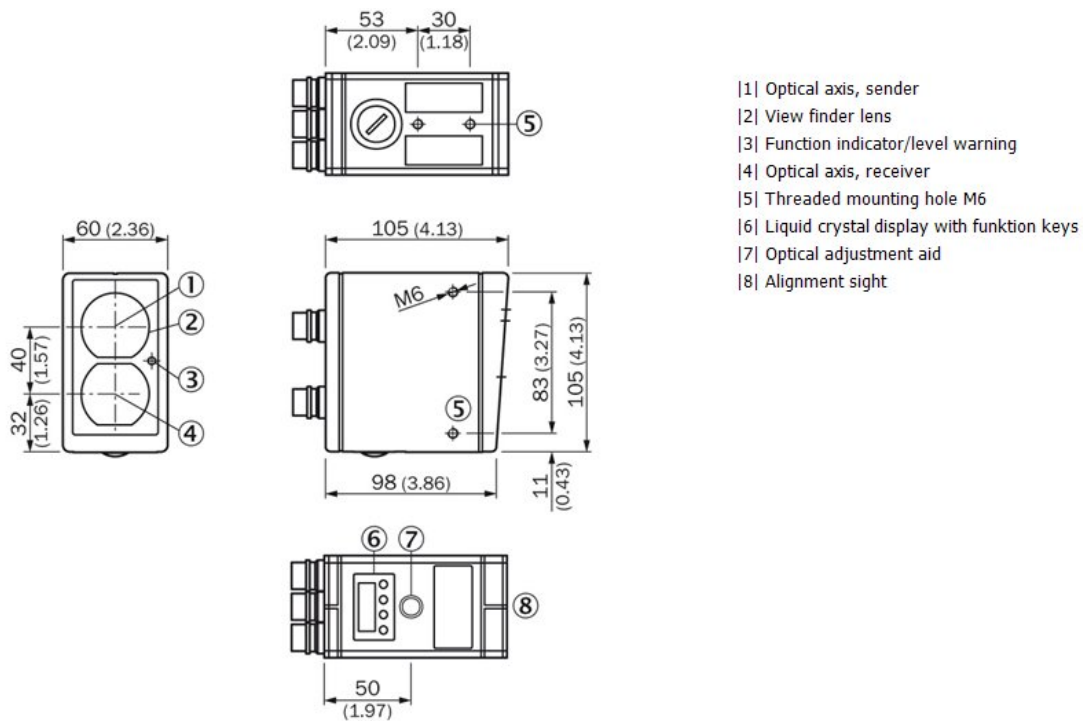
Connector M12, 4-pin

Ambient data

Enclosure rating:	IP 65
Protection class:	III
Max. rel. humidity (not condensing):	90 %, non-condensing
Ambient operating temperature:	-25 °C ... 55 °C
Electromagnetic compatibility (EMC):	EN 61000-6-2/EN 61000-6-4 ¹⁾
Storage temperature:	-40 °C ... 75 °C

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

Dimensional drawing

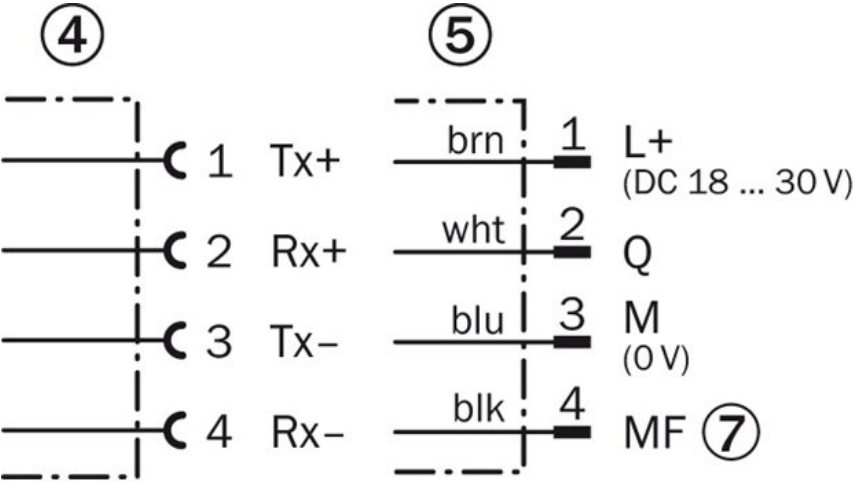


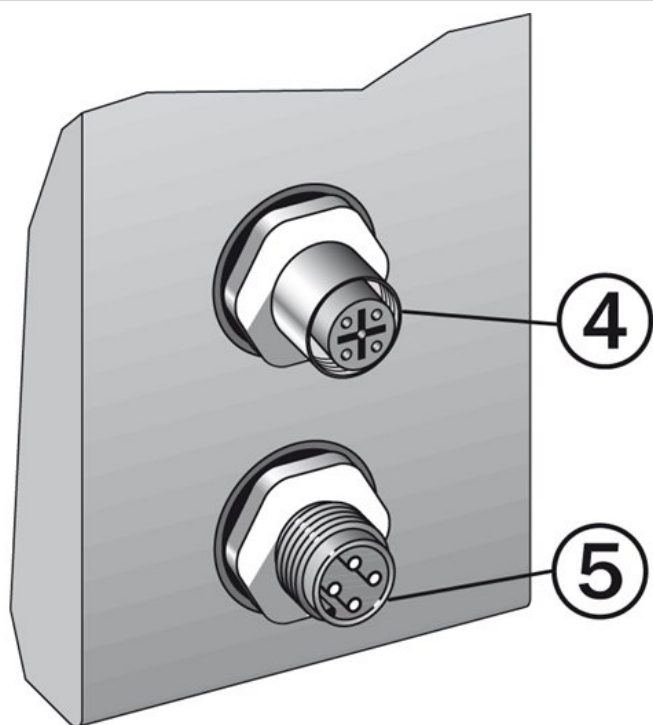
Adjustments



[6] Liquid crystal display with funktion keys

Connection type





|7| Multifunctional input (MF)

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