

ISD400-6111 ISD400

OPTICAL DATA TRANSMISSION



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Ordering information

Туре	part no.
ISD400-6111	1046119

Other models and accessories → www.sick.com/ISD400

Illustration may diffe



Detailed technical data

Technical specifications

Accessory group	Optical data transmission
Accessory family	ISD400
Weight	Approx. 900 g
Housing material	Metal
Enclosure rating	IP65
Ambient operating temperature	-25 °C +55 °C
Permissible relative humidity	90 %, Non-condensing

Mechanics/electronics

Power consumption	\leq 4.8 W $^{1)}$
Protection class	III

¹⁾ Without load.

Performance

Transmission range	≥ 0.2 m
Light source	LED, infrared (880 nm)
Typ. light spot size (distance)	1.75 m (at 100 m)

Interfaces

Ethernet		√
Data	a transmission rate	3 Mbit/s
Digital input		V _s : sender deactivated
Digital output		
	Number	1 ¹⁾
	Туре	PNP
Signal delay		\leq 350 µs, + no. of Bytes x 8 / 3 Mbit/s $^{2)}$

 $^{^{1)}}$ HIGH: $\mbox{U}_{\mbox{\scriptsize V}}$ – 3 V, LOW: < 2 V.

 $^{^{2)}}$ 1 μs + 2 Tbit only for PROFIBUS.

Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-2, EN 61000-6-4 ¹⁾
Ambient temperature, operation	-25 °C +55 °C
Max. rel. humidity (not condensing)	90 %, Non-condensing

 $^{^{1)}\,\}mathrm{This}$ is a Class A device. This device can cause radio interference in living quarters.

General notes

Note	2 devices are required to construct a data transmission path. The devices are identical and
	must be ordered separately. Frequencies F1 and F2 can be set.

Features

Weight	Approx. 900 g
Housing material	Metal
Enclosure rating	IP65
Ambient operating temperature	-25 °C +55 °C
Permissible relative humidity	90 % Non-condensing

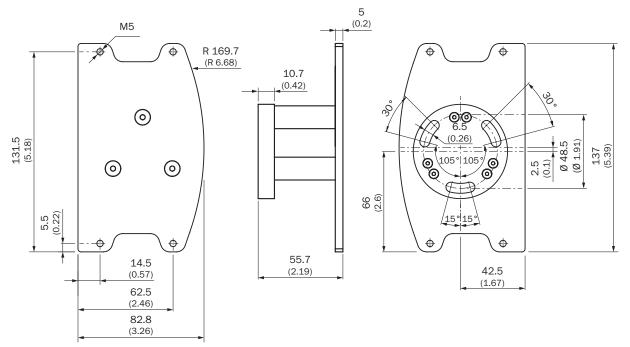
Certificates

EU declaration of conformity	1
UK declaration of conformity	1
ACMA declaration of conformity	1
Moroccan declaration of conformity	1
China RoHS	1

Classifications

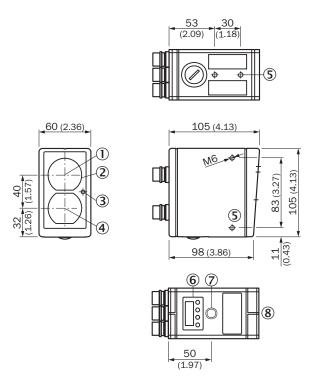
ECLASS 5.0	19039001
ECLASS 5.1.4	19039001
ECLASS 6.0	19179090
ECLASS 6.2	19179090
ECLASS 7.0	19179090
ECLASS 8.0	19179090
ECLASS 8.1	19179090
ECLASS 9.0	19179090
ETIM 5.0	EC000515
ETIM 6.0	EC000515
UNSPSC 16.0901	43201404

Dimensional drawing



Dimensions in mm (inch)

Dimensional drawing

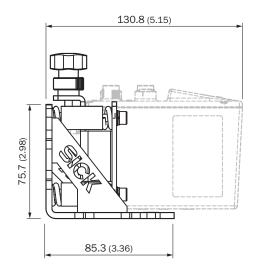


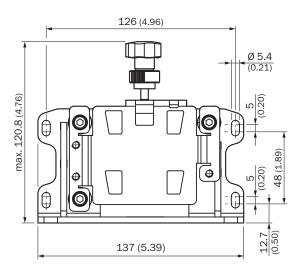
Dimensions in mm (inch)

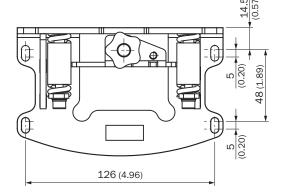
- 1 Optical axis, sender
- ② View finder lens
- 3 Function indicator/level warning

- ④ Optical axis, receiver
- ⑤ Threaded mounting hole M6
- ⑥ Liquid crystal display with function keys
- 7 Optical adjustment aid
- Alignment sight

Dimensional drawing

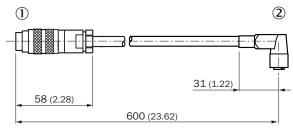






Dimensions in mm (inch)

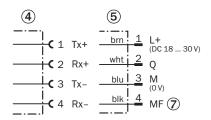
Dimensional drawing



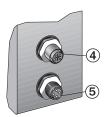
Dimensions in mm (inch)

- ① Connector M16, 8-pin
- ② male connector M12, 8-pin

Connection type ISD400 Ethernet

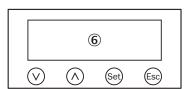


Anschlussschema



⑦ Multifunctional input (MF)

Adjustments



⑥ Liquid crystal display with function keys

Recommended accessories

Other models and accessories → www.sick.com/ISD400

	Brief description	Туре	part no.
Mounting syst	ems		
	Description: Alignment unit for DME4000/ISD400, aluminum, anodised	BEF-DME/ISD	2046052

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