

SICK ISD280-1112

Infrared Data Transmission Unit

A contactless bidirectional infrared link for RS-422/485 or PROFIBUS DP communication across moving machinery.

Why this model matters

- Contactless serial communication across a 0.2–150 m optical path.
- RS-422/485 and PROFIBUS DP interface support.
- Up to 1.5 MBaud with transmission delay of no more than 2 μ s.
- Heated operating mode for low-temperature installations.

ENGINEERING NOTE

Use a matched pair with clear line of sight and rigid mounting. Verify alignment at both travel extremes, bus termination and recovery after interruption before releasing automatic movement.

Technical summary

Item	Verified value
Transmission distance	0.2–150 m
Light source	Infrared LED, 860 nm
Data rate	Up to 1.5 MBaud
Interfaces	RS-422/485; PROFIBUS DP
Supply	24 VDC
Degree of protection	IP54
Official weight	1 kg
Approx. outline	16.85 × 10 × 8.4 cm

Application value

- Stacker cranes
- Automated storage systems
- Overhead handling
- Moving transfer platforms

Technical source: SICK official ISD280-1112 data sheet and ISD2xx cross-reference notice.



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