Product data sheet

ICR880-4 12K Core

ICR Identification System

TRACK AND TRACE SYSTEMS

SICK
Sensor Intelligence.

Ordering information

Type	Part no.
ICR880-4 12K Core	On request

Included in delivery: ICD880-45152020 (1)

The exact device specifications and performance data of the product may deviate from the information provided here, and depend on the application in which the product is being used and the relevant customer specifications. Our regional sales organization will help you to select the optimum device configuration.

Other models and accessories ➜ www.sick.com/ICR_Identification_System

Detailed technical data

Features

Products by tasks	Identifying - 1D code Identifying - 2D code
Sensor	Quad-Line Sensor
Line camera sensor resolution	12,288 px
Covered conveyor width	1,100 mm
Illumination width	750 mm, 900 mm, 1,100 mm
Focus	Dynamic focus
MTBF	120,000 h
MTTR	< 10 min
Image resolution	> 295 dpi (at 4.3 m/s)
Misalignment of the object	± 15°, ± 45°
Conveyor type	Belt conveyor Cross-belt sorter Roller conveyor Tilt-tray sorter Others on request
Object infeed and outfeed	Automatic

Mechanics/electronics

Trigger	SICK RAY26P-P01 [1]
Encoder	SICK DFV60 [2]
Power consumption	Depends on the configuration

[1] If supplied by SICK.
[2] 0.2 mm resolution (for belt conveyor only).

Performance

Code types	1D 2D 4-state
1D code types	PDF417 Code 39 Code 128

	Code 32 Code 93 Postal codes GS1-128 / EAN 128 UPC / GTIN / EAN
2D code types	Aztec Maxi-Code PDF417 QR code GS1 Data-Matrix Data Matrix ECC200
Transport speed	0 m/s ... 4.5 m/s
Minimum object distance	50 mm
Number of objects per second	≤ 10
Side-by-side	✓
Touching objects	✓
Additional features	Single 2D/3D Vision Solutions

Interfaces

Serial	✓
Protocol	RS-232
CAN bus	✓ (2)
PROFIBUS DP	✓
Ethernet	✓ (3)
Protocol	TCP/IP

Ambient data

Bar code print contrast (PCS)	≤ 40 %
Ambient operating temperature	–10 °C ... +50 °C
Ambient temperature, storage	–20 °C ... +70 °C
Permissible relative humidity	95 %, Non-condensing
Ambient light immunity	≤ 2,000 lx [1]

[1] On code.

Classifications

ECLASS 5.0	27280103
ECLASS 5.1.4	27280103
ECLASS 6.0	27280103
ECLASS 6.2	27280103
ECLASS 7.0	27280103
ECLASS 8.0	27280103
ECLASS 8.1	27280103
ECLASS 9.0	27280103
ECLASS 10.0	27280103
ECLASS 11.0	27280103
ECLASS 12.0	2728103
ETIM 5.0	EC002550

ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
UNSPSC 16.0901	43211701

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com

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