ICR803-A0271

IMAGE-BASED CODE READERS

SICK
Sensor Intelligence.

ICR803-A0271
IMAGE-BASED CODE READERS

Ordering information

Type	part no.
ICR803-A0271	6034212

Other models and accessories ➜ www.sick.com/

Detailed technical data

Features

Version	Smart Focus
Connection type	USB
Reading field	Front
Optical focus	Fixed focus
Focus position	115 mm
Sensor resolution	752 x 480 px
Light source	Visible red light (LED lighting, 630 nm) Visible green light (LED aiming line, 530 nm)
Reading distance	60 mm … 160 mm [1] [2]
Code resolution	≥ 0.19 mm [1] ≥ 0.25 mm [3]

[1] 1D.

[2] For details see reading field diagram.

[3] 2D.

Mechanics/electronics

Supply voltage	≤ 5 V DC
Housing material	Plastic
Housing color	Light blue (RAL 5012)
Weight	+ 37 g
Dimensions (L x W x H)	49 mm x 40 mm x 25 mm

Performance

Readable code structures	1D codes, 2D codes, Stacked
Bar code types	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC / GTIN / EAN, RSS, Codablock F, Post (only SR/SF): Postnet, Planet Code, Royal Mail, Canada Post (PostBar), Japan Post, KIX (Royal Dutch TPG Post)
2D code types	MaxiCode, Data Matrix, QR code, Aztec, Aztec Mesas, Code 49 and EAN•UCC Composite
OCR/OCV fonts	OCR-A, OCR-B
Image type	BMP, JPEG, TIFF

Interfaces

Ethernet		✔ , TCP/IP
	Type of fieldbus integration	Optional, over external connection module CDM + CMF

CAN	✓
Type of fieldbus integration	Optional, over external connection module CAN232
PROFIBUS DP	✓
Type of fieldbus integration	Optional over external fieldbus module CDF600-2
DeviceNet™	✓
Type of fieldbus integration	Optional, over external connection module CDM + CMF
USB	✓
Function	Keyboard wedge, COM-Port emulation
Acoustic indicators	Beeper (can be switched off, to confirm reading)

Ambient data

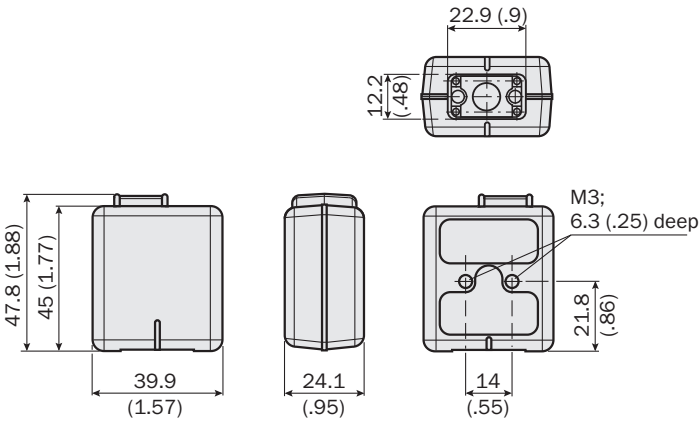| Ambient operating temperature	0 °C … +50 °C
Storage temperature	−20 °C … +60 °C

General notes

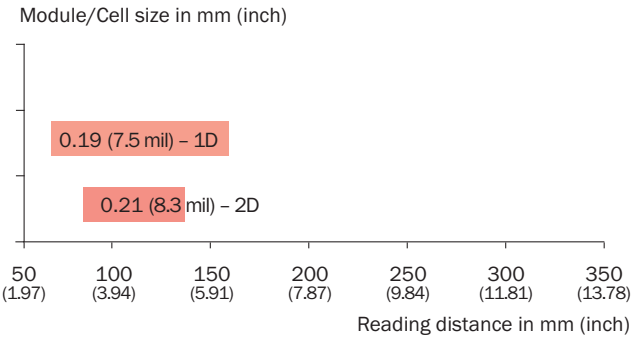| Note	A connecting cable and possibly a power supply unit are still required for commissioning.

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	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002999
ETIM 8.0	EC002999
UNSPSC 16.0901	43211701

Dimensional drawing ICR80x

22.9 (.9)

12.2 (.48)

47.8 (1.88)

45 (1.77)

M3;
6.3 (.25) deep

21.8 (.86)

39.9 (1.57)

24.1 (.95)

14 (.55)

Dimensions in mm (inch)

Reading field diagram

Module/Cell size in mm (inch)

0.19 (7.5 mil) – 1D

0.21 (8.3 mil) – 2D

| 50 (1.97) | 100 (3.94) | 150 (5.91) | 200 (7.87) | 250 (9.84) | 300 (11.81) | 350 (13.78) |

Reading distance in mm (inch)

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:

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