

Sick Sensor Intelligence.

IMAGE-BASED CODE READERS

ICR803-A0201 | ICR80x

IMAGE-BASED CODE READERS



Ordering information

Туре	Part no.
ICR803-A0201	6034210

Other models and accessories -> www.sick.com/ICR80x

 $C \in ERE$

Detailed technical data

Features

Version	Smart Focus
Connection type	Serial
Reading field	Front
Focus	Fixed focus
Focus position	115 mm
Light source	Visible red light (LED lighting, 630 nm) Visible green light (LED aiming line, 530 nm)
Code resolution	$\geq 0.19 \text{ mm}^{-1)}$ $\geq 0.25 \text{ mm}^{-2)}$
Reading distance	60 mm 160 mm ^{1) 3)}

¹⁾ 1D.

 $^{\rm (3)}$ For details see reading field diagram.

Performance

Readable code structures	1D, 2D, 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 capture	BMP, JPEG, TIFF

Interfaces

Ethernet		✓, TCP/IP
	Type of fieldbus integration	Optional, over external connection module CDM + CMF
Serial		✓, RS-232 TTL
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™		✓

²⁾ 2D.

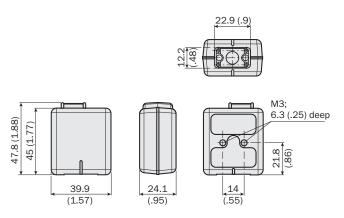
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Type of fieldbus integration	Optional, over external connection module CDM + CMF	
Acoustic indicators	Beeper (can be switched off, to confirm reading)	
Mechanics/electronics		
Supply voltage	≤ 5 V DC	
Housing	Plastic	
Housing color	Light blue (RAL 5012)	
Weight	37 g	
Dimensions (L x W x H)	49 mm x 40 mm x 25 mm	
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		
ECI@ss 5.0	27280103	
ECI@ss 5.1.4	27280103	
ECI@ss 6.0	27280103	
ECI@ss 6.2	27280103	
ECI@ss 7.0	27280103	
ECI@ss 8.0	27280103	
ECI@ss 8.1	27280103	
ECI@ss 9.0	27280103	
ETIM 5.0	EC002550	
ETIM 6.0	EC002550	
UNSPSC 16.0901	43211701	

Dimensional drawing (Dimensions in mm (inch))

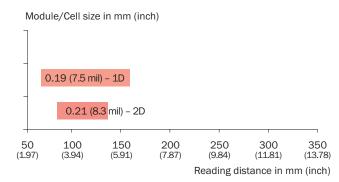
ICR80x



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Reading field diagram



Recommended accessories

Other models and accessories -> www.sick.com/ICR80x

	Brief description	Туре	Part no.		
Mounting brackets and plates					
ite Will	Bracket with adapter board	Mounting bracket	2050023		
Power supply	Power supply units and power supply cables				
	Universal AC adapter, input 100 240 V AC, output 5 V DC, including the power cable with European plug (does not fulfill medical standard EN 60601/IEC 60601)	PS-050-2400D1-EU	6034941		
Plug connectors and cables					
10	Head A: female connector, D-Sub, 9-pin Head B: male connector, RJ45 Cable: RS-232 TTL, unshielded, 2.4 m External power supply unit required, connection at the D-Sub present	Connection cable (male connector - female connector)	6033047		
Modules					
	Small connection module for 5-V hand-held scanners and ICR80x	CDB405-001	1027093		

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



Online data sheet

