

CLV601-0D200

CLV60x

**BAR CODE SCANNERS** 





### Ordering information

Туре	Part no.
CLV601-0D200	1079204

Other models and accessories → www.sick.com/CLV60x

# C € EHI

#### Detailed technical data

#### **Features**

1 Catalos	
Connection type	Cable
Reading field	Front
Scanner design	Line scanner
Focus	Fixed focus (30 mm)
Sensor	CMOS line sensor
Sensor resolution	2,048 px
Light source	LED (visible red light, 626 nm)
LED class	Risk group 0 (IEC 62471:2006-07, EN 62471:2008-09)
Aperture angle	≤ 71°
Scanning frequency	750 Hz
Code resolution	0.125 mm 0.5 mm
Reading angle $\label{eq:tilde} \mbox{Tilt } \alpha$ $\mbox{Pitch } \beta$ $\mbox{Skew } \gamma$	± 15° (with code resolution ≥ 0.5 mm)
Reading distance	15 mm 70 mm <sup>1)</sup>
МТТБ	670,000 h

 $<sup>^{1)}</sup>$  For details see reading field diagram.

#### Performance

Bar code types	All current code types, Code 39, Code 128, Code 93, Codabar, UPC / GTIN / EAN, Interleaved 2 of 5 $$
Print ratio	2:1 3:1
No. of codes per scan	11

No. of codes per reading interval	1 15 (auto-discriminating)
No. of characters per reading interval	450
Number of characters per code	≤ 30
No. of multiple readings	1100

#### Interfaces

Serial	<b>√</b> , RS-232
Function	Host, AUX
Data transmission rate	2,400 Baud 250 kBaud, AUX: 57.6 kBaud
Switching inputs	1 ("Input 1", Vin = max. 30 V)
Switching outputs	2 ("Output 1", "Output 2", lout = max. 50 mA)
Reading pulse	Start: switching input, free, command, auto pulse, Stop: switching input, free, command, timer, Good Read
Optical indicators	1 RGB LED (multifunctional)
Acoustic indicators	Beeper/buzzer (can be switched off, can be allocated as a result indication function)
Configuration software	SOPAS ET

#### Mechanics/electronics

Electrical connection	1 x 9-pin D-sub male connector (2 m)
Operating voltage	5 V DC, ± 10 %
Power consumption	Typ. 1 W
Housing	Zinc diecast
Housing color	Light blue (RAL 5012), black (RAL 9005)
Front screen	PMMA
Enclosure rating	IP40 (DIN 40 050)
Protection class	III (VDE 0106/IEC 1010-1)
Weight	230 g, with connecting cable
Dimensions (L x W x H)	55 mm x 52 mm x 20 mm

#### Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-3/A1:2011-03 / EN 61000-6-2:2005-08
Vibration resistance	EN 60068-2-6:2008-02
Shock resistance	EN 60068-2-27:2009-05
Ambient operating temperature	0 °C +50 °C
Storage temperature	-20 °C +70 °C
Permissible relative humidity	90 %, Non-condensing
Ambient light immunity	5,000 lx, on bar code
Bar code print contrast (PCS)	≥ 60 %

#### General notes

Items supplied Single scanner, Safety Notes	
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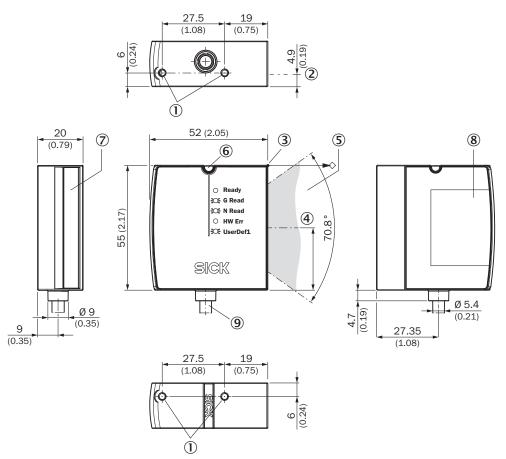
#### Classifications

ECI@ss 5.0	27280102
ECI@ss 5.1.4	27280102
ECI@ss 6.0	27280102

ECI@ss 6.2	27280102
ECI@ss 7.0	27280102
ECI@ss 8.0	27280102
ECI@ss 8.1	27280102
ECI@ss 9.0	27280102
ETIM 5.0	EC002550
ETIM 6.0	EC002550
UNSPSC 16.0901	43211701

#### Dimensional drawing (Dimensions in mm (inch))

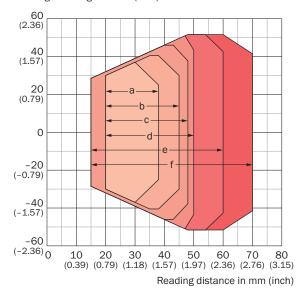
CLV60x, front



- ① Mounting thread M3 x 5 mm
- ② Optical axis, reading window
- 3 Reading distance reference point
- Reading field axis center
- ⑤ Reading field
- 6 Status LED
- ⑦ Reading field
- Type label
- Connection cable

#### Reading field diagram

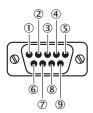
Reading field height in mm (inch)



Resolution



#### Connection type



- ① In1
- ② RxD (HOST)
- ③ TxD (HOST)
- 4 OUT1
- ⑤ GND
- ⑥ OUT2
- ⑦ RxD⑧ TxD
- 9 +5 V

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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."

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