Lector85x OPS Performance Upgrade Kit Controller
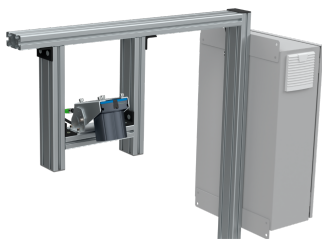
Lector Identification System

TRACK AND TRACE SYSTEMS

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Lector85x OPS Performance Upgrade Kit Controller | Lector Identification System

Ordering information

Type	part no.
Lector85x OPS Performance Upgrade Kit Controller	2144714

Included in delivery: V2D8509R-1MCXXXAL0SXXXX (3), C-mount lens (2), VI83I-WH3047H0 (2), Spacer (1), Optics protection hood (glass) (1), microSD memory card (1), Mounting bracket kit 0°- 55° (1), CAN male connector (1), Y-CAN cable (1), YM2X18-050EG1MRJA8 (1)

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

Detailed technical data

Features

Products by tasks	Identifying - 1D code Identifying - 2D code
Sensor	CMOS monochrome
Sensor resolution	9 MP
Variant	Performance upgrade kit
Focus	Adjustable focus, manual
Aperture angle	47°, illumination
Scanning frequency	20 Hz, With resolution of 9 megapixels
MTBF	100,000 h
Conveyor type	Belt conveyor Cross-belt sorter Tilt-tray sorter Roller conveyor Others on request
Lens focal length	16 mm

Mechanics/electronics

Dimensions, system (L x W x H)	143.4 mm x 90 mm x 46 mm
Enclosure rating	IP65 (IEC 60529:2013 +C1:2013 +C2:2015 +AMD2 C1:2019, EN 60529:1991 +A1:2010 +A2:2013 +AC:2019-02)
Electrical safety	EN 61010:2010, EN 61010-1:2010/A1:2019/AC:2019-04
Supply voltage	24 V DC, ± 20 % [1]
Lens	C-mount
Window material	Glass
Housing material	Aluminum die cast
Total weight	640 g, without lens and connection cables

[1] Voltage source in accordance with ES1 (EN 62368-1) or SELV (EN 60950-1).

Performance

Code types	Code 128 GS1-128

[1] Depends on lens used.

	EAN 128 EAN 8 EAN 13 UPC-A UPC-E Interleaved 2 of 5 Codabar Code 93 Postal code
2D code types	Data Matrix ECC200 GS1 Data-Matrix MaxiCode QR code Aztec
Code resolution	≥ 0.1 mm [1]
Detectable object colors	Anthracite gray (RAL 7016)

[1] Depends on lens used.

Interfaces

Switching inputs	2, "Sensor 1" "Sensor 2" Insulated Encoder input External trigger
Number	3, 1, 1, 1
Reading pulse	Digital inputs / CAN / auto pulse
Optical indicators	12, LEDs, 10 x status displays, 2 x feedback spot

Ambient data

Ambient operating temperature	0 °C … +50 °C, If the ambient operating temperature will be ≥ 45 °C, ensure adequate heat dissipation when mounting the device.
Ambient temperature, storage	–20 °C … +70 °C
Permissible relative humidity	≤ 90 %, Non-condensing
Shock load	EN 60068-2-27:2008
Vibration load	EN 60068-2-6:2007, EN 60068-2-64:2019

General notes

Laser class	1 (EN 60825-1:2014+A11:2021), (IEC 60825-1:2014) (complies with 21 CFR 1040.10 except for the conformance according to "Laser Notice No. 56" from May 8, 2019)

Certificates

China RoHS	✓
4Dpro	✓

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

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."

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