

LMS2xx / LMS211 / Outdoor / Mid-Range

LMS211-30206



Model Name LMS211-30206
Part Number 1018023



At a glance

- The large variety of versions available offer tailor-made solutions for indoor and outdoor tasks
- Non-contact optical measurement even over long distances
- Background or substrate has no effect on measurement
- Integrated field monitoring
- Rugged housing
- Various applications, e.g. object measurement, position measurement, area monitoring and electronic toll systems
- Special versions for traffic applications available

Your benefits

- High target object speed possible
- Measurement objects require no special reflectivity properties
- Objects require no reflectors or marking
- Target object in any position
- Measurement data are available in real time and can be used for further calculation or control tasks
- No illumination of target object necessary
- Simple installation and commissioning
- Any mounting position

Features

Type :	Mid-Range
Field of application :	Outdoor
Light source :	Infrared (905 nm)

Laser class :	1 (EN/IEC 60825-1), Eye-safe
Field of view :	100 °
Scanning frequency :	75 Hz
Operating range :	0 m ... 80 m
Max. range with 10 % reflectivity :	30 m
Angular resolution :	0.25 °, 0.5 °, 1 °
Heating :	yes, including additional front window heating
Fog correction :	yes
MTBF :	50,000 h
Resolution :	1 mm

Performance

Detectable object shape :	Almost any
Systematic error :	± 35 mm
Statistical error :	10 mm

Interfaces

Serial (RS-232, RS-422) :	✓
Function (Serial (RS-232, RS-422)) :	AUX
Data transmission rate (Serial (RS-232, RS-422)) :	RS-232: 9.6 / 19.2 kBd and RS-422: 9.6 / 19.2/ 38.4/ 500 kBd
Ethernet :	-
CAN-Bus :	-
PROFIBUS :	-
PROFINET :	-
DeviceNet :	-
Switching inputs :	1
Switching outputs :	3
Optical indicators :	0

Mechanics/electronics

Electrical connection :	1 16 pin plug
Operating voltage :	24 V DC
Power consumption :	160 W
Housing color :	Gray (RAL 7032)
Enclosure rating :	IP 67
Protection class :	2, insulated
Weight :	9 kg
Dimensions :	248 mm x 351 mm x 265 mm
Housing :	Base plate aluminum diecast Covering PU

Ambient data

Object remission :	1.8 % ... 10,000 %
Electromagnetic compatibility (EMC) :	EN 61000-6-2 / EN 61000-6-3 / A11 (2004-07)
Vibration resistance :	IEC 68
Shock resistance :	IEC 68
Ambient operating temperature :	-30 °C ... 50 °C
Storage temperature :	-30 °C ... 70 °C

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