TIC502 Slave

TICx02

PROFILING SYSTEMS

SICK
Sensor Intelligence.

Ordering information

Type	part no.
TIC502 Slave	1085138

Included in delivery: LMS511 SE (2)

Other models and accessories ➜ www.sick.com/TICx02

Detailed technical data

Features

Application	Traffic management Toll collection
System part	TIC502 Slave (For system extension)
System components	LMS511 SE (2 x)
Number of covered lanes	1
System extension	Up to 4 lanes
Axle counting option	Yes, by means of additional LMS511 SE
Scanner design	2-scanner solution
Vehicle data	Lane assignment Vehicle classes Speed monitoring Driving direction Confidence level for all vehicle datas Point cloud
Amount of vehicle classes	Up to 30 classes
Recommended distance between max. vehicle height and sensor	> 1.5 m,
Stop-and-go functionality	Yes
Laser class	1, eye-safe (IEC 60825-1:2014)
Trigger lines	Max. 20 m
Application	Vehicle classification, vehicle counting, Speed monitoring, Axle counting

Mechanics/electronics

Supply voltage	24 V DC (22.8 V DC … 25.2 V DC)
Power consumption	154 W, With heating 44 W, without heating
Housing dimensions (W x D x H)	498 mm x 411 mm x 191 mm (Only mounting plate with pre-installed LMS511 SE)
Weight	12 kg
Installation position	Overhead
Installation height	6 m: 5 m … 8 m

Performance

Counting accuracy	> 99.85 %

[1] Only for vehicles with directional stability which pass under the LMS Length.

Classification accuracy	Typ. 98 % (For TLS8+1 classes)
Speed accuracy	± 3 km/h, at < 100 km/h, ± 3 %, At > 100 km/h [1]

[1] Only for vehicles with directional stability which pass under the LMS Length.

Interfaces

Ethernet	✓
Function	Sensor interface

Ambient data

Ambient operating temperature	–40 °C ... +60 °C
Ambient temperature, storage	–40 °C ... +70 °C

General notes

Items supplied	LMS511 SE 2D LiDAR sensors pre-installed on a mounting plate

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓

Classifications

ECLASS 5.0	27281001
ECLASS 5.1.4	27280190
ECLASS 6.0	27280190
ECLASS 6.2	27280190
ECLASS 7.0	27280190
ECLASS 8.0	27280190
ECLASS 8.1	27280190
ECLASS 9.0	27280190
ECLASS 10.0	27280190
ECLASS 11.0	27280190
ECLASS 12.0	27280190
UNSPSC 16.0901	41111615

Recommended accessories

Other models and accessories ➜ www.sick.com/TICx02

Brief description	Type	part no.
connectors and cables		
• **Connection type head A:** Male connector, M12, 4-pin, straight, D-coded • **Connection type head B:** Male connector, RJ45, 4-pin, straight • **Signal type:** Ethernet, PROFINET • **Cable:** 20 m, 4-wire, CAT5, CAT5e, PUR, halogen-free • **Description:** Ethernet, shielded, PROFINET • **Application:** Cold bending resistant, Outdoor, Zones with oils and lubricants, seawater resistant	YM2D34-200P-N4MRJA4	6050685
• **Connection type head A:** Female connector, M12, 4-pin, straight • **Connection type head B:** Flying leads • **Cable:** 20 m, 4-wire, PUR, halogen-free • **Description:** Shielded • **Application:** Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	YF2A64-200UE1XLEAX	6050687

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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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