TIC501

PROFILING SYSTEMS

SICK
Sensor Intelligence.

TIC501
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Ordering information

Type	part no.
TIC501	1069322

Included in delivery: Traffic Controller TIC (1), LMS511 SE (1)

Other models and accessories ➜ www.sick.com/TIC501

Detailed technical data

Features

Application	Traffic management
System components	LMS511 SE
Number of covered lanes	Up to 4 lanes
System extension	Up to 16 lanes
Axle counting option	No
Scanner design	1-scanner solution
Vehicle data	Vehicle class (selectable category systems with up to 30 classes) Lane assignment Confidence level for all vehicle datas Point cloud
Trigger lines	Max. 15 m (Calculated)
Application	Vehicle classification, vehicle counting

Mechanics/electronics

Weight	4.4 kg
Installation position	Overhead or laterally

Performance

Counting accuracy	> 99.8 % (overhead detection of 2 lanes with one LMS511 SE)
Classification accuracy	Typ. 96 % (For TLS8+1 classes, overhead detection of 2 lanes)

Ambient data

Ambient operating temperature	–40 °C … +60 °C

General notes

Items supplied	2D LiDAR sensor LMS511 SE Traffic Controller TIC with TIC software including USB Stick with TEMS info sample client, source code for TEMS info sample client, TEMS analyzer and operating instructions

Certificates

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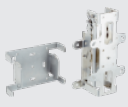
Classifications

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/TIC501

	Brief description	Type	part no.
Mounting systems			
	• **Description:** Mounting kit for wall-mounting (adjustment bracket) • **Material:** Steel • **Details:** Steel, zinc coated (1.0330)	Mounting kit	2018303
	• **Description:** Mounting bracket for LMS5xx (for retrofitting, if 2018303 is already in use) • **Material:** Stainless steel • **Details:** Stainless steel V2A (1.4301)	Mounting bracket	2059271
	• **Description:** Mounting kit for mast mount. When mounting with tightening straps, suitable for mast diameter of 95 mm or greater • **Material:** Stainless steel • **Details:** Stainless steel V2A (1.4301)	Mounting kit	1081412
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

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**

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