TIC102 Slave
TICx02

PROFILING SYSTEMS

SICK
Sensor Intelligence.

TIC102 Slave | TICx02

PROFILING SYSTEMS

Ordering information

Type	part no.
TIC102 Slave	1055104

Included in delivery: LMS111-10100S05 (2)

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

CE UK CA

Detailed technical data

Features

Application	Traffic management Toll collection
System part	TIC102 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	Vehicle classes Driving direction Speed monitoring Lane assignment 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)
Heating	✓
Trigger lines	Max. 20 m

Mechanics/electronics

Supply voltage	24 V DC (22.8 V DC ... 25.2 V DC)
Power consumption	120 W, With heating 41 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	15 kg
Installation position	Overhead
Installation height	6 m: 5 m ... 8 m
Enclosure rating	IP66 (EN 60529)

Performance

Detection accuracy	> 99.85 %
Classification accuracy	Typ. 98 % (For TLS8+1 classes)

Interfaces

Ethernet	✓ (2)
Function	Sensor interface
Electrical connection	2 x connector ETH_Internal (M12) for sensor interface

Ambient data

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

General notes

Items supplied	System housing including 2x 2D LiDAR sensors

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			
SICK	• **Description:** Shielded • **Connection type head A:** Female connector, 7/8", 5-pin, straight • **Connection type head B:** Flying leads • **Cable:** 30 m, 5-wire	Connecting cable (female connector - open)	6045327

	Brief description	Type	part no.
	• **Connection systems:** Flying leads • **Connection type head A:** Male connector, M12, 4-pin, straight, D-coded • **Connection type head B:** Male connector, M12, 4-pin, straight, D-coded • **Signal type:** PROFINET • **Cable:** 15 m, AWG22, PUR, halogen-free • **Description:** PROFINET, shielded	Connection cable (male connector-male connector)	6045328
	• **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:** 30 m, 4-wire, AWG26, PUR, halogen-free • **Description:** Ethernet, shielded, PROFINET	YM2D24-300EA1M-RJA4	6045311

Mounting systems

	• **Description:** Mounting bracket	Mounting bracket	4068061

device protection and care

	• **Description:** Weather hood for TIC102	Weather protection hood	4068062

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:

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