



UAM-05LP-T301C

- Safety laser scanner with I/O interface
- Cable 0,3 m with water-proof connector
- SD card for Configuration
- Safety protection of reference areas
- User-friendly configuration software
- Encoder input for AGVs
- Muting- and Interlock Function
- Data output via ethernet
- Master-Slave-Function

Data

Ordering data

Product type description	UAM-05LP-T301C
Article number (order number)	103039884
EAN (European Article Number)	4030661559186
eCl@ss number, version 12.0	27-27-27-05
eCl@ss number, version 11.0	27-27-27-05
eCl@ss number, version 9.0	27-27-27-05
ETIM number, version 7.0	EC002550
ETIM number, version 6.0	EC002550

General data

Standards	EN IEC 61496-3 EN IEC 61496-1
Reaction time, minimum	60 ms
Gross weight	826 g

General data - Features

Number of poles	12
Number of fail-safe digital outputs	2
Number of zone-sets of warn and safety ranges, maximum	32

Safety classification

Standards	EN IEC 61508
Performance Level, up to	d
Category	3
Safety Integrity Level (SIL), suitable for applications in	2
Safety type in accordance with IEC 61496-1	3

Mechanical data

Range, protection field, minimum	0.1 m
Range, protection field, maximum	5 m
Opening angle	270°
Wave length of the laserdiode	905 nm
None safe warning zone, maximum	20 m

Mechanical data - Connection technique

Type of electrical connection	Connector plug M12
Length of cable	0.3 m
Termination	Connecting cable with ODU connector, straight, 22-pole

Mechanical data - Dimensions

Length	80 mm
--------	-------

Width	80 mm
Height	95 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature	-10 ... +50 °C
Storage and transport temperature	-25 ... +70 °C
Laser class	1

Electrical data

Rated operating voltage	24 VDC
Electrical power consumption	6 W
Electrical power consumption, maximum	50 W

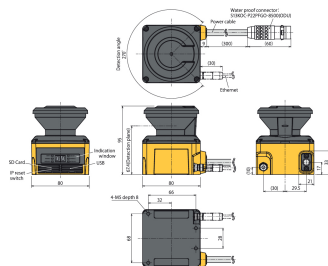
Pictures

Product picture (catalogue individual photo)



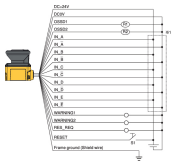
ID: khukof08
 | 383.1 kB | .jpg | 352.778 x 334.786 mm - 1000 x 949 px - 72 dpi
 | 64.2 kB | .png | 74.083 x 70.203 mm - 210 x 199 px - 72 dpi
 | 62.3 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi
 | 4.0 MB | .png | 169.333 x 160.697 mm - 2000 x 1898 px - 300 dpi
 | 68.2 kB | .jpg | 123.47200000000001 x 117.122 mm - 350 x 332 px - 72 dpi

Dimensional drawing basic component



ID: khukog02
 | 210.0 kB | .jpg | 352.778 x 290.689 mm - 1000 x 824 px - 72 dpi

Wiring example



© Schmersal 2026. Schmersal is a registered trademark of Schmersal AG. All rights reserved.
* Refer to user's manual for details on pin numbering.

Pin	Color	Function	Notes
1	Blue	0V	
2	Blue	0V	
3	Blue	0V	
4	Blue	0V	
5	Blue	0V	
6	Blue	0V	
7	Blue	0V	
8	Blue	0V	
9	Blue	0V	
10	Blue	0V	
11	Blue	0V	
12	Blue	0V	
13	Blue	0V	
14	Blue	0V	
15	Blue	0V	
16	Blue	0V	
17	Blue	0V	
18	Blue	0V	
19	Blue	0V	
20	Blue	0V	
21	Blue	0V	
22	Blue	0V	
23	Blue	0V	
24	Blue	0V	

ID: khukos01

| 263.0 kB | .jpg | 352.778 x 211.31400000000002 mm - 1000 x 599 px - 72 dpi

Schmersal, Inc., 115 E Stevens Ave, Suite 208, Valhalla, NY 10595

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 4/17/2026, 7:09 AM