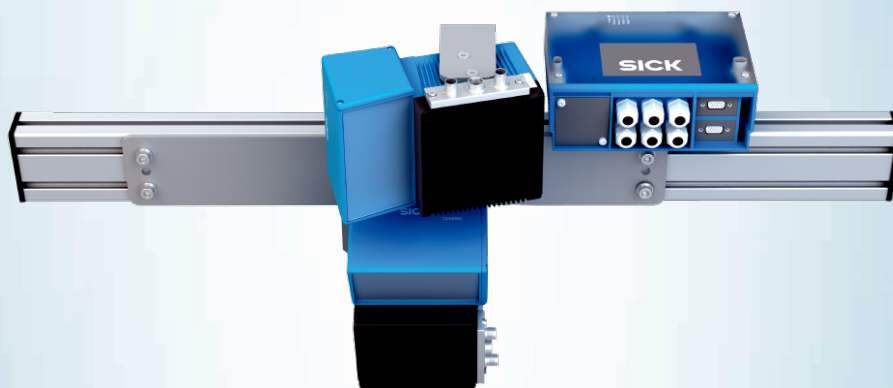


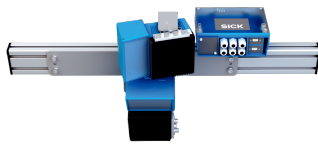


# Twinhead CLV690 OSCM

CLV Identification System

TRACK AND TRACE SYSTEMS

**SICK**  
Sensor Intelligence.



### Ordering information

| Type                 | part no. |
|----------------------|----------|
| Twinhead CLV690 OSCM | 1061480  |

Other models and accessories → [www.sick.com/CLV\\_Identification\\_System](http://www.sick.com/CLV_Identification_System)



### Detailed technical data

#### Features

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| <b>Products by tasks</b>         | Code reading                                                                        |
| <b>Covered conveyor width</b>    | 800 mm                                                                              |
| <b>Focus</b>                     | Auto focus                                                                          |
| <b>MTBF</b>                      | 100,000 h                                                                           |
| <b>MTTR</b>                      | 5 min                                                                               |
| <b>Conveyor type</b>             | Belt conveyor<br>Tilt-tray sorter<br>Roller conveyor<br>Cross-belt sorter<br>Pallet |
| <b>Object infeed and outfeed</b> | Automatic                                                                           |
| <b>Covered side of object</b>    | Single side reading                                                                 |

#### Mechanics/electronics

|                                       |                                |
|---------------------------------------|--------------------------------|
| <b>Dimensions, system (L x W x H)</b> | 1,100 mm x 1,280 mm x 1,745 mm |
| <b>Connection modules</b>             | CDM420-0007                    |
| <b>Mirror module</b>                  | ✓                              |

#### Performance

|                                             |                                             |
|---------------------------------------------|---------------------------------------------|
| <b>Code types</b>                           | 1D                                          |
| <b>Transport speed</b>                      | 0 m/s ... 0.5 m/s, Depending on code height |
| <b>Minimum object distance</b>              | 50 mm                                       |
| <b>Number of codes per reading interval</b> | 1 ... 50                                    |
| <b>Module width</b>                         | 0.3 mm ... 0.5 mm                           |
| <b>1D code resolution</b>                   | 0.3 mm ... 0.5 mm                           |

#### Interfaces

|                                     |                        |                                                               |
|-------------------------------------|------------------------|---------------------------------------------------------------|
| <b>Serial (RS-232, RS-422/-485)</b> | Function               | ✓<br>Data interface (read result output)<br>Service interface |
|                                     | Data transmission rate | Host: 300 baud ... 500 kBaud, AUX: 57.6 kBaud fixed           |
|                                     |                        |                                                               |
| <b>Ethernet</b>                     |                        | ✓, Depending on the cloning plug used                         |
|                                     | Function               | Data interface (read result output)<br>Service interface      |
|                                     | Data transmission rate | 10/100 MBit/s                                                 |

|                           |                        |                                                                                                        |
|---------------------------|------------------------|--------------------------------------------------------------------------------------------------------|
|                           | Protocol               | TCP/IP                                                                                                 |
| <b>CAN bus</b>            |                        | ✓ (2)                                                                                                  |
|                           | Function               | SICK CAN sensor network (CAN controller/CAN device)                                                    |
|                           | Data transmission rate | 20 kbit/s ... 1 Mbit/s                                                                                 |
|                           | Protocol               | CSN (SICK CAN Sensor Network)                                                                          |
| <b>PROFIBUS, PROFINET</b> |                        | ✓ , Optional over external fieldbus module (CDF)                                                       |
| <b>Optical indicators</b> |                        | 6, LEDs, Ready, Result, laser, Data, CAN, LNK TX, bar graph display of percentage read rates (10 LEDs) |

## Ambient data

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Ambient operating temperature</b> | 0 °C ... +40 °C   |
| <b>Ambient temperature, storage</b>  | -20 °C ... +70 °C |

## General notes

|                       |                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Items supplied</b> | Barcode scanner CLV690 with oscillating mirror (2x)<br>Cloning plug for barcode scanner CLV690 (2x)<br>Bracket for bar code scanner (2x)<br>Photoelectric sensor (2x)<br>Connection module CDM420-0007 (1x)<br>Connection cable for barcode scanner to connection module (2 x) |
| <b>Laser class</b>    | 2 (IEC 60825-1:2014)<br>1 (IEC 60825-1:2014)                                                                                                                                                                                                                                   |

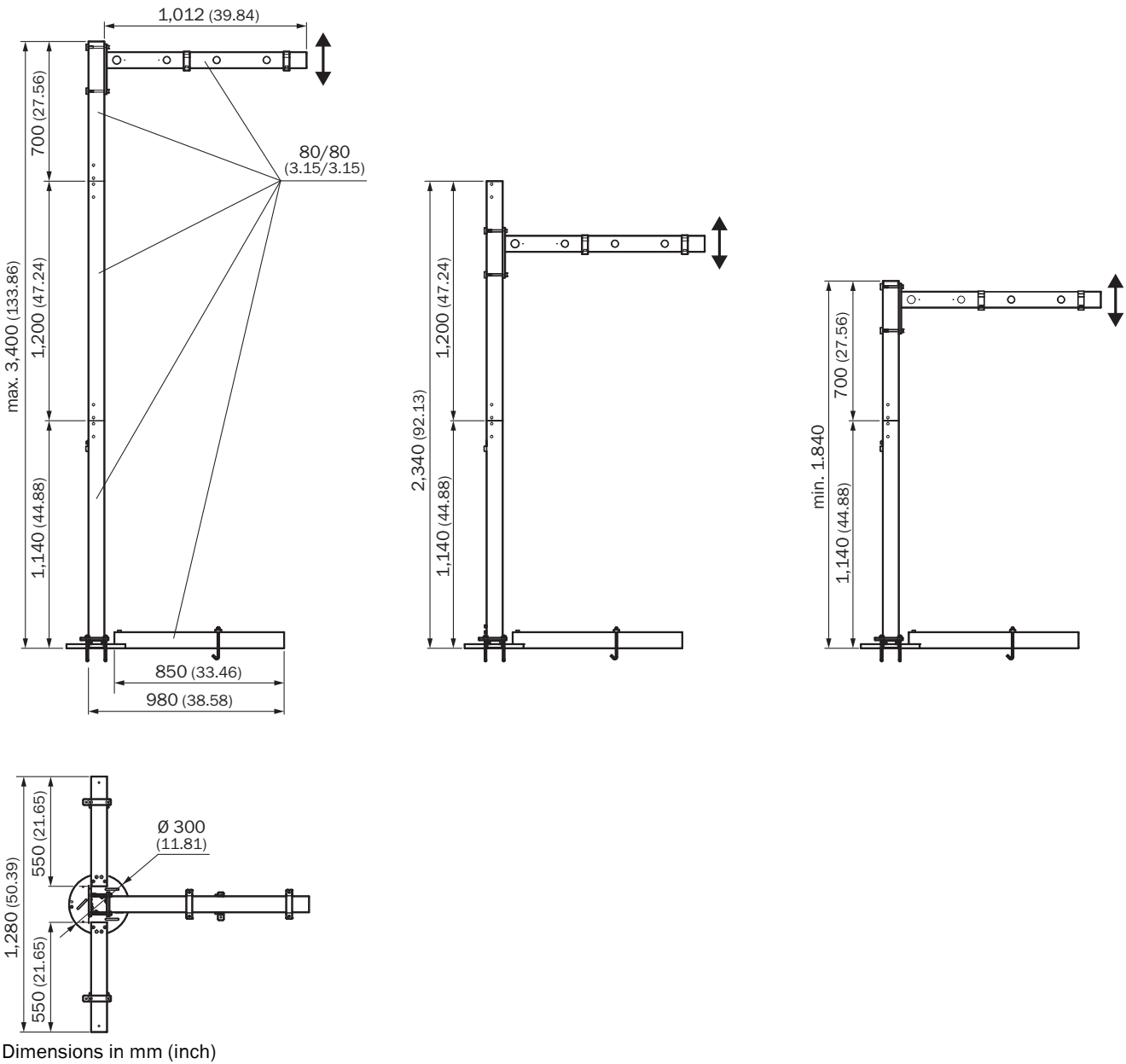
## Certificates

|                                     |   |
|-------------------------------------|---|
| <b>EU declaration of conformity</b> | ✓ |
| <b>UK declaration of conformity</b> | ✓ |
| <b>China RoHS</b>                   | ✓ |

## Classifications

|                       |          |
|-----------------------|----------|
| <b>ECLASS 5.0</b>     | 27280102 |
| <b>ECLASS 5.1.4</b>   | 27280102 |
| <b>ECLASS 6.0</b>     | 27280102 |
| <b>ECLASS 6.2</b>     | 27280102 |
| <b>ECLASS 7.0</b>     | 27280102 |
| <b>ECLASS 8.0</b>     | 27280102 |
| <b>ECLASS 8.1</b>     | 27280102 |
| <b>ECLASS 9.0</b>     | 27280102 |
| <b>ECLASS 10.0</b>    | 27280102 |
| <b>ECLASS 11.0</b>    | 27280102 |
| <b>ECLASS 12.0</b>    | 27280102 |
| <b>ETIM 5.0</b>       | EC002550 |
| <b>ETIM 6.0</b>       | EC002550 |
| <b>ETIM 7.0</b>       | EC002550 |
| <b>ETIM 8.0</b>       | EC002550 |
| <b>UNSPSC 16.0901</b> | 43211701 |

Dimensional drawing Twinhead CLV65x and Twinhead CLV69x



## 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](http://www.sick.com)