

**AC-SCM8U
AC-SCM8U-BT**



Figure can vary

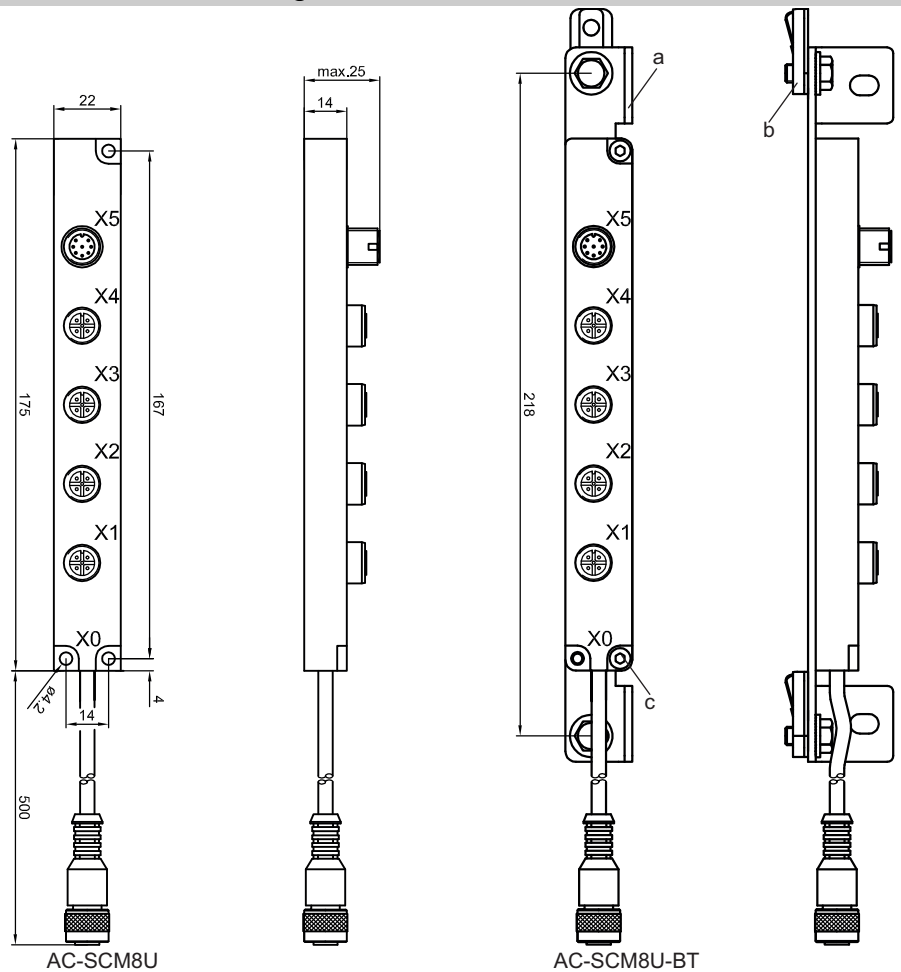
Sensor connection box

The AC-SCM8U sensor connection box is an accessory for the MLC 530 safety light curtains. Sensors, scanners, switches and display elements can be connected via M12 cables. These signals are connected to the MLC 530 receiver via a 0.5 m long collector cable with M12 plug. The collector cable must be laid so there is no possibility of short circuit, e.g. in an armored conduit.

Features

- Supply and switching voltage +24V DC
- Connection with M12 technology
- Simplification of the connection to the MLC receiver of:
 - Muting sensors without testing
 - Muting indicators
 - Start button

Dimensioned drawing



a = Mounting plate b = Sliding block c = M4x16 cheese head screw

Pin assignment

| Pin | Connection to the MLC 530 | X1 | X2 | X3 | X4 | X5 |
|---------|---------------------------|------|------|------|------|-------|
| 1 | IO1 | 24 V | 24 V | 24 V | 24 V | IO1 |
| 2 | VIN1 | IO1 | IN8 | IN3 | IN4 | VIN1 |
| 3 | IN3 | 0 V | 0 V | 0 V | 0 V | IN3 |
| 4 | IN4 | IO1 | IN3 | IN4 | IN8 | IN4 |
| 5 | OSSD1 | IN8 | IO1 | IO1 | IO1 | OSSD1 |
| 6 | OSSD2 | | | | | OSSD2 |
| 7 | VIN2 | | | | | VIN2 |
| 8 | IN8 | | | | | IN8 |
| Shield* | FE | | | | | FE |

*on connector housing or swivel nut

For further information and connection examples, see the operating instructions for the MLC 530.

Technical Data

| | |
|-----------------------|---|
| Supply voltage | +24 VDC ± 20% |
| Current load, max. | 1 A; X1/X2 up to 300 mA; X3/X4 up to 200 mA |
| Connection | 4 M12 sockets, 4-pin; 1 M12 socket, 8-pin; 1 M12 plug, 8-pin |
| Insulation resistance | >10 ⁹ Ω |
| Protection rating | IP67 |
| Ambient temperature | -30 °C ... +80 °C |
| Housing | PA 6, yellow |
| Cable | PUR halogen-free, black, shielded |

Order guide

| Article | Description | Part no. |
|-------------|--|----------|
| AC-SCM8U | Sensor connection box with M12 connection, for connection to the MLC 530 | 520160 |
| AC-SCM8U-BT | Sensor connection box with M12 connection and mounting plate for connection to the MLC 530 with 2 M4x16 cheese head screws; 2 BT-NC sliding blocks | 520162 |