AC-SCM6U
AC-SCM6U-BT
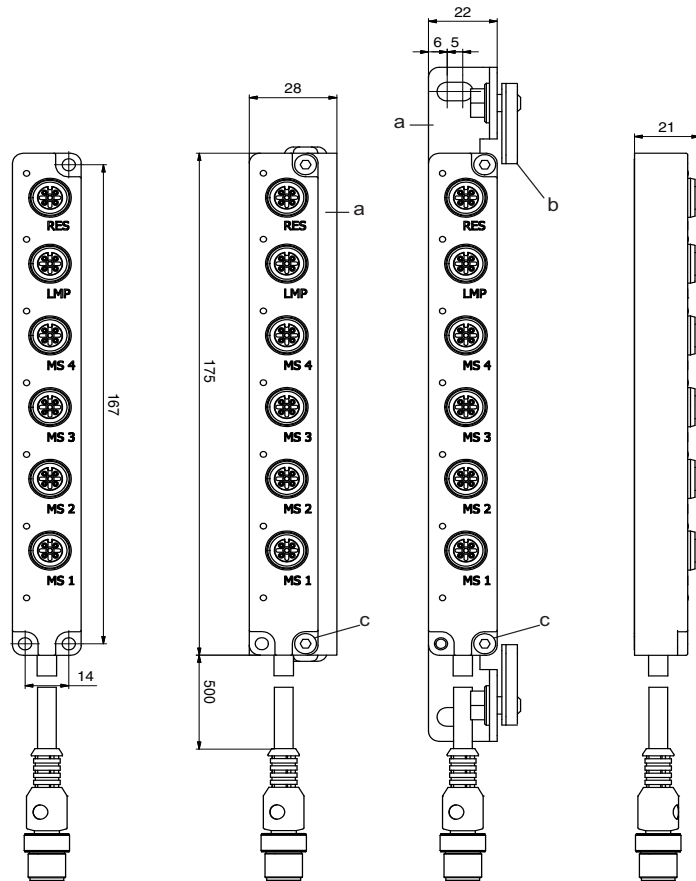# AC-SCM6U-BT-L

Figure can vary

Sensor connection box

The AC-SCM6U sensor connection box is an accessory for the MLD 335, MLD 535 multiple light beam safety devices (timing controlled 4-sensor muting). Sensors, scanners, switches and display elements can be connected via M12 cables. These signals are connected to the local socket of the MLD receiver or transceiver 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. Except for the LEDs for the display, the AC-SCM6U contains no electrical or electronic components and, as a result, is not subject to any safety classification.

Features

- Supply and switching voltage +24V DC
- Connection with M12 technology
- Simplification of the connection to the MLD receiver and transceiver of:
  - Muting sensors without testing
  - Muting indicators
  - Start button (optionally the same cable as muting indicators)

Dimensioned drawing

AC-SCM6U   AC-SCM6U-BT   AC-SCM6U-BT-L

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

Pin assignment

Pin	Connection to MLD	MS1	MS2	MS3	MS4	LMP	RES
1	MS4	24 V	24 V	24 V	24 V		24 V
2	24 V					LMP	RES
3	MS2	0 V	0 V	0 V	0 V	0 V	
4	MS1	MS1	MS2	MS3	MS4	LMP	RES
5	RES/LMP						
6	MS3						
7	0 V						
8	n.c.						

Technical Data

Supply voltage	+24 VDC ± 20%
Current load, max.	1 A
Connection	6 M12 sockets, 4-pin; 1 M12 connector, 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

Order guide

Article	Description	Part no.
AC-SCM6U	**Sensor connection box with M12 connection,** for connection to the 8-pin local socket	520140
AC-SCM6U-BT	**Sensor connection box with M12 connection and mounting plate** for connection to the 8-pin local socket with 2 M4x16 cheese head screws; 2 BT-NC sliding blocks	520141
AC-SCM6U-BT-L	**Sensor connection box with M12 connection and L-mounting bracket** for connection to the 8-pin local socket with 2 M4x16 cheese head screws; 2 BT-NC sliding blocks	520142