

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



Figure can vary

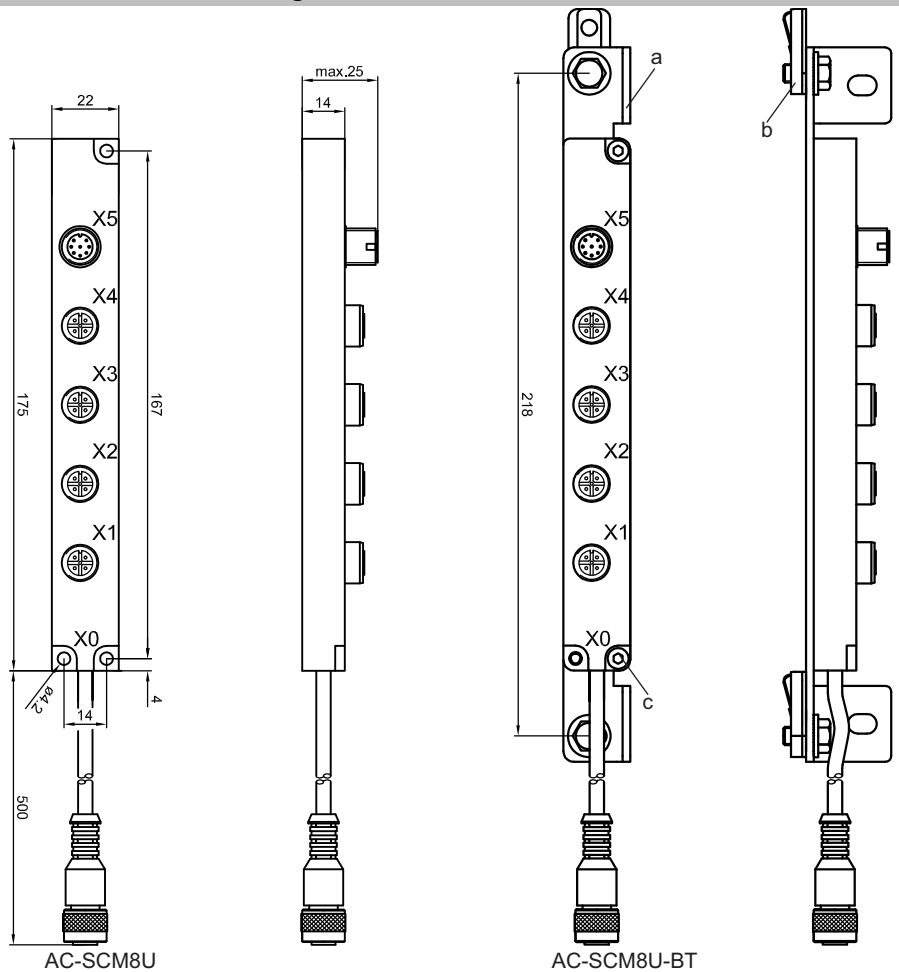
Sensor connection box

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 = M4x22 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, 5-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 M4x22 cheese head screws; 2 BT-NC sliding blocks	520162