

## Technical data sheet

### Sensor connection module

Part no.: 520039  
AC-SCM8-BT

#### Contents

- Technical data
- Electrical connection



Figure can vary

## Technical data

### Basic data

Suitable for	MLC 500, MLC 300 safety light curtains
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### Electrical data

Protective circuit	No information
Insulation resistance, min.	10,000,000,000 Ω
Current load, max.	1 A

### Performance data

Supply voltage $U_B$	24 V, DC, -20 ... 20 %
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### Connection

Number of connections	6 Piece(s)
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#### Connection 1

Function	Connection with PLC Machine interface
Type of connection	Cable with connector
Cable length	500 mm
Sheathing material	PUR
Thread size	M12
Type	Female
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

#### Connection 2

Function	Local input, muting sensor 1
Type of connection	Connector
Designation on device	X1
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

#### Connection 3

Function	Local input, muting sensor 2
Type of connection	Connector
Designation on device	X2
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

#### Connection 4

Function	Local input, muting sensor 3
Type of connection	Connector
Designation on device	X3
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

#### Connection 5

Function	Local input, muting sensor 4
Type of connection	Connector
Designation on device	X4
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

#### Connection 6

Function	Connection to device Local interface
Type of connection	Connector
Designation on device	X5
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

### Mechanical data

Design	Cubic
Dimension (W x H x L)	22 mm x 28 mm x 235 mm
Housing material	Plastic, PA 6
Net weight	370 g
Housing color	Black
Type of fastening	Mounting plate

### Environmental data

Ambient temperature, operation	-30 ... 80 °C
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### Classification

Customs tariff number	85369010
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585

## Electrical connection

### Connection 1

Function	Connection with PLC Machine interface
Type of connection	Cable with connector
Cable length	500 mm
Sheathing material	PUR
Cable color	Black
Wire cross section	2 mm <sup>2</sup>
Thread size	M12
Type	Female
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

### Pin Pin assignment

1	IO1
2	VIN
3	IN3
4	IN4
5	OSSD1
6	OSSD2
7	VIN
8	IN8

### Connection 2

### X1

Function	Local input, muting sensor 1
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

### Pin Pin assignment

1	+24V
2	IN4
3	0 V
4	IN8
5	IO1

### Connection 3

### X2

Function	Local input, muting sensor 2
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

## Electrical connection

### Pin Pin assignment

1	+24V
2	IN8
3	0 V
4	IN3
5	IO1

### Connection 4

### X3

Function	Local input, muting sensor 3
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

### Pin Pin assignment

1	+24V
2	IN8
3	0 V
4	IN3
5	IO1

### Connection 5

### X4

Function	Local input, muting sensor 4
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

### Pin Pin assignment

1	+24V
2	IO1
3	0 V
4	IO1
5	IN4

### Connection 6

### X5

Function	Connection to device Local interface
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

## Electrical connection

Pin	Pin assignment
1	IO1
2	VIN
3	IN3
4	IN4
5	OSSD1
6	OSSD2
7	VIN
8	IN8