

## Technical data sheet

### Sensor connection module

Part no.: 520160  
AC-SCM8U

#### Contents

- Technical data
- Dimensioned drawings
- Electrical connection



For illustration purposes only



## 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
Plastic housing	PA 6
Net weight	150 g
Housing color	Black
Type of fastening	Groove mounting Through-hole mounting

### Environmental data

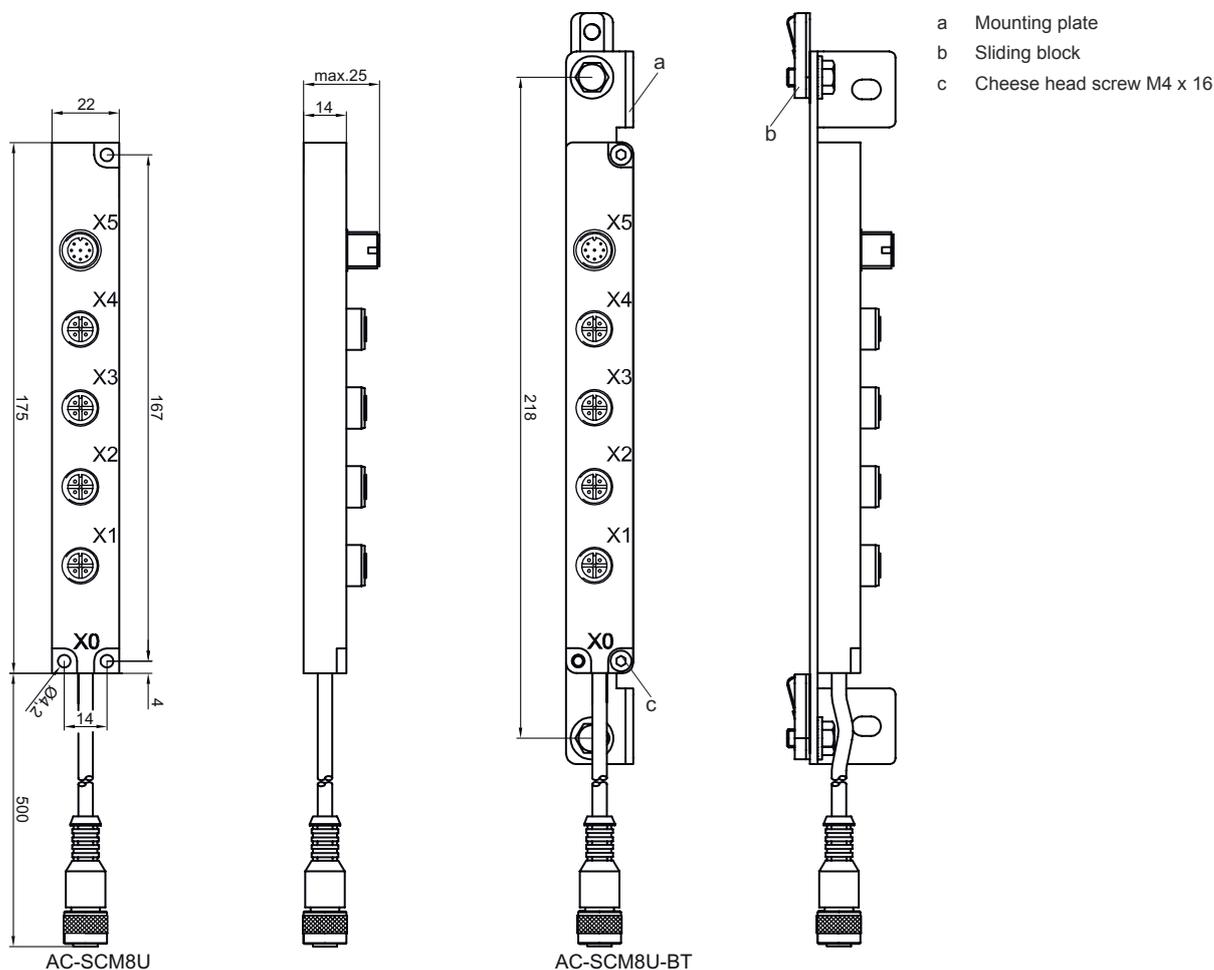
Ambient temperature, operation	-30 ... 80 °C
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### Classification

Customs tariff number	85369010
ECLASS 5.1.4	27279201
ECLASS 8.0	27279219
ECLASS 9.0	27440108
ECLASS 10.0	27440108
ECLASS 11.0	27440108
ECLASS 12.0	27440108
ECLASS 13.0	27440108
ECLASS 14.0	27440108
ECLASS 15.0	27440108
ECLASS 16.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585
ETIM 7.0	EC002585
ETIM 8.0	EC002585
ETIM 9.0	EC002585
ETIM 10.0	EC002585

# Dimensioned drawings

All dimensions in millimeters



## Electrical connection

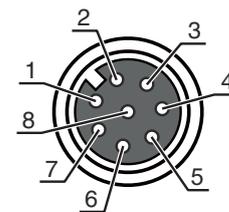
### Connection 1

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

## Electrical connection

### Pin Pin assignment

Pin	Pin assignment
1	IO1
2	VIN1
3	IN3
4	IN4
5	OSSD1
6	OSSD2
7	VIN2
8	IN8



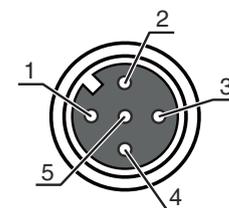
### Connection 2

### 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

Pin	Pin assignment
1	+24 V
2	IO1
3	0 V
4	IO1
5	IN8



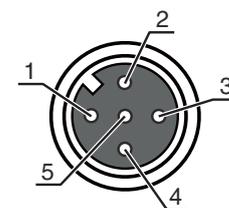
### Connection 3

### 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

### Pin Pin assignment

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



### Connection 4

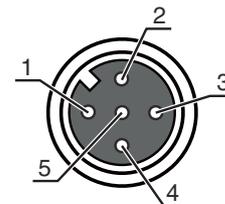
### X3

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

## Electrical connection

### Pin Pin assignment

1	+24 V
2	IN3
3	0 V
4	IN4
5	IO1



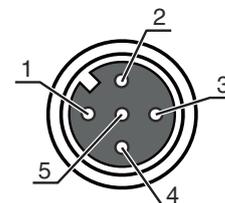
### Connection 5

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



### 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

### Pin Pin assignment

1	IO1
2	VIN1
3	IN3
4	IN4
5	OSSD1
6	OSSD2
7	VIN2
8	IN8

