### SMART SENSOR BUSINESS

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Part no.: 50123636 CML720i-R20-1110.R/D3-M12 Light curtain receiver



Figure can vary

# Contents

- Technical data
- · Dimensioned drawings
- Electrical connection
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- Suitable transmitters
- Part number code
- Notes
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### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

#### **Technical data**

720		
Throughbeam principle		
Receiver		
Accessories for the use of the BT-2R1		
Object measurement		
Crossed-beam scanning		
Diagonal-beam scanning Parallel-beam scanning		
Guaranteed operating range		
0.3 7 m		
Typical operating range		
0.2 9 m		
1,110 mm		
56 Piece(s)		
20 mm		
20 11111		
30 mm		
Polarity reversal protection		
Short circuit protected Transient protection		
18 30 V , DC		
0 15 % , From U <sub>B</sub>		
0 270 mA , The specified values refer to the entire package consisting of transmitter and receiver.		
100 mA		
6,000 Ω		
2 Piece(s)		
Inputs/outputs selectable		
DC		
Тур. U <sub>B</sub> / 0 V		
high: ≥6V Iow: ≤4V		
1 ms		
2.08 ms		

### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

Type         RS 485           Function         Process           Service interface         Process           Type         IO-Link           IOLInk         Configuration via software Service           IOLInk         Configuration via software Service           Connection         2 Process           Number of connections         2 Process           Pug outlet         Rear side           Connection 1         Configuration interface Connection to transmitter Signal OUT Voltage supply           Type of connection         Configuration interface           No. of pins         8-pin           Encoding         A coded           Connection 2         Function           Function         BUS IN BUS OUT           Type of connection         Connector           Thread size         M12           Type         Material           No. of pins         8-pin           Encoding         A coded           Connection 2         Function           Function         BUS NT           Type of connection         Connector           Thread size         M12           Type         Fernale           Material         Metai           N	Interface	
R8:485       Function     Process       Service interface       Type     IO-Link       IO-Link     Configuration via software Service       IO-Link       Function     Configuration via software Service       Connection     2 Piece(s)       Plug outlet     Rear side       Connection 1     Configuration interface Connection 1       Function     Configuration interface Signal NL Signal N		PS 485
Function     Process       Service interface       Type     IO-Link       Type     IO-Link       Punction     Configuration via software Service       Connection     Configuration via software       Number of connections     2 Piece(s)       Plug outlet     Rear side       Connection 1     Connector       Function     Connector       Type of connection     Connector       Type of connection     Connector       Thread size     M12       Type of connection     Connector       Thread size     M12       Type of connection     Bus IN       No. of pins     8-pin       Encoding     A-coded       Connector     Encoding       Punction     BUS IN       Encoding     Connector       Thread size     M12       Type of connection     Connector       Thread size     M12       Type of connection     BUS IN B		K3 403
Service interface         Type       IO-Link         Function       Configuration via software         Service       Service         Punction       Configuration via software         Service       Service         Ownber of connections       2 Plece(s)         Pug outlet       Rear side         Connection 1       Configuration interface         Function       Connector 1         Type of connection       Connector         Type of connection 2       Male         Material       Metal         No. of pins       8-pin         Encoding       A coded         Connector 7       Type of connector         Type of connection 8       BUS IN BUS OUT         Type of connecton       Connector         Thread size       M12         Type of connecton       Connector         Thread size       M12         Type of connecton       Connector         Thread size       M		Process
Type     IO-Link       Function     Configuration via software Service       Connection     2 Piece(s)       Plug outet     Rear side       Connection 1     Configuration interface Connection to transmitter Signal NUT       Function     Configuration interface Connector to transmitter Signal NUT       Type of connection     Connector       Thread size     M12       Type     Male       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connector     Thread size       Type of connection     Connector       Thread size     M12       Type     Male       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connector 2     Thread size       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type of		
Type     IO-Link       Function     Configuration via software Service       Connection     2 Piece(s)       Plug outet     Rear side       Connection 1     Configuration interface Connection to transmitter Signal NUT       Function     Configuration interface Connector to transmitter Signal NUT       Type of connection     Connector       Thread size     M12       Type     Male       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connector     Thread size       Type of connection     Connector       Thread size     M12       Type     Male       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connector 2     Thread size       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type of	Or waise in the factor	
Docklink         Function         Configuration via software Service           Connection         2 Piece(s)         Piece(s)           Plug outlet         Rear side         Piece(s)           Connection 1         Configuration interface Connection to transmitter Signal OUT Voltage supply         Signal OUT           Type of connection         Connector         Thread size           Material         Metal           No. of pins         8-pin           Encoding         A-coded           Connector 2         Function           Function         BUS IN BUS OUT           Type of connecton         Connector           Thread size         M12           Type of connection         Connector           Function         BUS IN BUS OUT           Type of connector         Tonnector           Type of ins         8-pin           Encoding         A-coded           Connector         Type of prime           Function         BUS IN BUS OUT           Type of connector         Thread size           Type of prime         Female           Material         Metal           No. of pins         9-pin           Encoding         B-coded           Dimens		
Function       Configuration via software Service         Number of connections       2 Piece(s)         Plug outlet       Rear side         Connection 1       Configuration interface Connection to transmitter Signal OUT Voltage supply         Type of connection       Connector to transmitter Signal OUT Voltage supply         Type of connection       Connector         Thread size       M12         Type 1       Male         Material       Metal         No. of pins       8-pin         Encoding       A-coded         Connector       Thread size         Function       BUS IN BUS OUT         Type of connector       Thread size         Type of connector       Thread size         Type of connector       Thread size         Type of connector       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5-pin         Encoding       B-coded         Metrial       Metal         Material       Metal         No. of pins       5-pin         Encoding       B-coded         Design       Cubic         Dimensio		IO-LIIIK
Service Servic		Configuration via software
Number of connections         2 Piece(s)           Flug outlet         Rear side           Connection 1         Configuration interface Connection to transmitter Signal OUT Voltage supply           Type of connection         Connector           Transd size         M12           Type of connection         Connector           Transd size         M12           Type of connection         Connector           Transd size         M12           Type 0         Male           Material         Metal           No. of pins         8 -pin           Encoding         A-coded           Connection 1         BUS IN BUS OUT           Type of connection         Connector           Thread size         M12           Type		Service
Number of connections         2 Piece(s)           Flug outlet         Rear side           Connection 1         Configuration interface Connection to transmitter Signal OUT Voltage supply           Type of connection         Connector           Transd size         M12           Type of connection         Connector           Transd size         M12           Type of connection         Connector           Transd size         M12           Type 0         Male           Material         Metal           No. of pins         8 -pin           Encoding         A-coded           Connection 1         BUS IN BUS OUT           Type of connection         Connector           Thread size         M12           Type		
Plug outlet     Rear side       Connection 1     Configuration interface Connection to transmitter Signal IN Signal OUT Voltage supply       Type of connection     Connector       Thread size     M12       Type of connection     Connector       Thread size     M12       Type of connection     Malee       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connector 2     Function       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type     Female       Material     Metal       No. of pins     5 -pin       Encoding     B-coded       Design     Cubic       Dimension (Wx H x L)     29 mm x 35.4 mm x 1,143 mm       Housing color     Silver       Type of fastening     Groove mounting Via optional mounting device <td>Connection</td> <td></td>	Connection	
Connection 1         Function       Configuration interface Connection to transmitter Signal IN Signal OUT Voltage supply         Type of connection       Connector         Thread size       M12         Type M       Male         Material       Metal         No. of pins       8 -pin         Encoding       A-coded         Connector 0       BUS IN BUS OUT         Type of connection       BUS N         Encoding       A-coded         Connector 1       BUS N         Function       BUS N         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data       Dimension (W x H x L)         Dising material       Metal, Aluminum         Lens cover material       Plastic         Net optional mounting device       Via optional mounting device         Type of flastening       G	Number of connections	2 Piece(s)
Function       Configuration interface Connection to transmitter Signal UV Signal VU Signal VU Voltage supply         Type of connection       Connector         Thread size       M12         Type (Connection)       Connector         Thread size       M12         Type (Connection)       Material         Material       Metal         No. of pins       8 -pin         Encoding       A-coded         Connection 2       Function         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Thread size       M12         Type of pins       6 -pin         Encoding       B-coded         Material       Metal         No. of pins       6 -pin         Encoding       B-coded         Metal       Aluminum         Housing material       Metal Aluminum         Housing material       Metal Aluminum         Lens cover material       Plastic         Net wight       1,360 g         Housing color <t< td=""><td>Plug outlet</td><td>Rear side</td></t<>	Plug outlet	Rear side
Signal IN Signal N     Signal N       Type of connection     Connector       Thread size     M12       Type     Male       Material     Metal       No. of pins     8-pin       Encoding     A-coded       Connection 2     Function       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type of pins     5-pin       Encoding     B-coded       Material     Metal       No. of pins     5-pin       Encoding     B-coded       Metal     Muninum       Housing material     Metal , Aluminum       Housing material     Metal , Aluminum       Lens cover material     Plastic       Net weight     1.360 g       Housing color     Silver       Type of flastening	Connection 1	
Signal IN Signal OUT Voltage supply         Type of connection         Thread size       M12         Type       Male         Material       Metal         No. of pins       8 -pin         Encoding       A-coded         Connection 2       Function         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Busing and the late       Metal         No. of pins       5 -pin         Encoding       B-coded         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing color       Silver         Type of display       Groove mounting Via	Function	Configuration interface
Voltage supply         Type d connector         Thread size       M12         Type       Male         Material       Metal         No. of pins       8-pin         Encoding       A-coded         Connection 2       Function         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5-pin         Encoding       B-coded         Mechanical data         Metal, Aluminum       Lencoding         Besign       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing color       Silver         Type of fastening       Groove mounting device         Optional mounting device       Via optional mounting device		Signal IN
Type of connectionConnectorThread sizeM12TypeMaleMaterialMetalMo. of pins8 -pinEncodingA-codedConnection 2FunctionBUS IN BUS OUTType of connectionConnectorThread sizeM12Type of connectionConnectorThread sizeM12Type of pins5 -pinEncodingBus outMaterialMetalNo. of pins5 -pinEncodingB-codedMechanical dataDesignDesignCubicDimension (W x H x L)29 mm x 35.4 mm x 1,143 mmHousing materialMetal , AluminumLens cover materialPlasticNet weight1,350 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceOperation and displayLED		Signal OUT Voltage supply
Thread size     M12       Type     Male       Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connection 2     Function       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type of connection     Connector       Thread size     M12       Type of connection     Connector       Thread size     M12       Type     Female       Material     Metal       No. of pins     5 -pin       Encoding     B-coded       Mechanical data     Metal       Dimension (W x H x L)     29 mm x 35.4 mm x 1,143 mm       Housing material     Metal , Aluminum       Lens cover material     Plastic       Net weight     1,350 g       Housing color     Silver       Type of fastening     Groove mounting device       Operation and display     Via optional mounting device	Type of connection	
Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connection 2     Eustration       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type     Female       Material     Metal       No. of pins     5 -pin       Encoding     B-coded       Methanical data     Metal       Design     Cubic       Dimension (W x H x L)     29 mm x 35.4 mm x 1,143 mm       Housing material     Metal , Aluminum       Lens cover material     Plastic       Net weight     1,350 g       Housing color     Silver       Type of fastening     Groove mounting via optional mounting device		
Material     Metal       No. of pins     8 -pin       Encoding     A-coded       Connection 2     Eustion       Function     BUS IN BUS OUT       Type of connection     Connector       Thread size     M12       Type     Female       Material     Metal       No. of pins     5 -pin       Encoding     B-coded       Mechanical data     Metal       Design     Cubic       Dimension (W x H x L)     29 mm x 35.4 mm x 1,143 mm       Housing material     Metal       Neusing color     Silver       Type of fastening     Groove mounting via optional mounting device		
Encoding       A-coded         Connection 2         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data       Design         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display       LED		
Encoding       A-coded         Connection 2         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data       Design         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display       LED	No. of pins	8 -pin
Connection 2         Function       BUS IN BUS OUT         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display         Type of display       LED		
BUS OUT         Type of connection       Connector         Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display         Type of display       LED		
Thread size       M12         Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display         Type of display       LED	Function	
Type       Female         Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design         Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display         Type of display       LED	Type of connection	Connector
Material       Metal         No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design         Dumension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Depration and display         Type of display       LED	Thread size	M12
No. of pins       5 -pin         Encoding       B-coded         Mechanical data         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display         Type of display       LED	Туре	Female
Encoding       B-coded         Mechanical data       Cubic         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display         Type of display       LED	Material	Metal
Mechanical data         Design       Cubic         Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display         Type of display       LED	No. of pins	5 -pin
DesignCubicDimension (W x H x L)29 mm x 35.4 mm x 1,143 mmHousing materialMetal , AluminumLens cover materialPlasticNet weight1,350 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceOperation and displayType of displayLED	Encoding	B-coded
DesignCubicDimension (W x H x L)29 mm x 35.4 mm x 1,143 mmHousing materialMetal , AluminumLens cover materialPlasticNet weight1,350 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceOperation and displayType of displayLED		
Dimension (W x H x L)       29 mm x 35.4 mm x 1,143 mm         Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting via optional mounting device         Operation and display       LED		Cubic
Housing material       Metal , Aluminum         Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display         Type of display       LED		
Lens cover material       Plastic         Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display         Type of display       LED		
Net weight       1,350 g         Housing color       Silver         Type of fastening       Groove mounting Via optional mounting device         Operation and display         Type of display       LED		
Housing color     Silver       Type of fastening     Groove mounting Via optional mounting device       Operation and display       Type of display     LED		
Type of fastening Groove mounting Via optional mounting device Operation and display Type of display LED		
Operation and display     LED		
Type of display LED	··· •	Via optional mounting device
Type of display LED		
LED OLED display		
		OLED display
	Number of LEDs	
Type of configuration Software Teach-in	Type of configuration	
Operational controls Membrane keyboard	Operational controls	Membrane keyboard

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### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

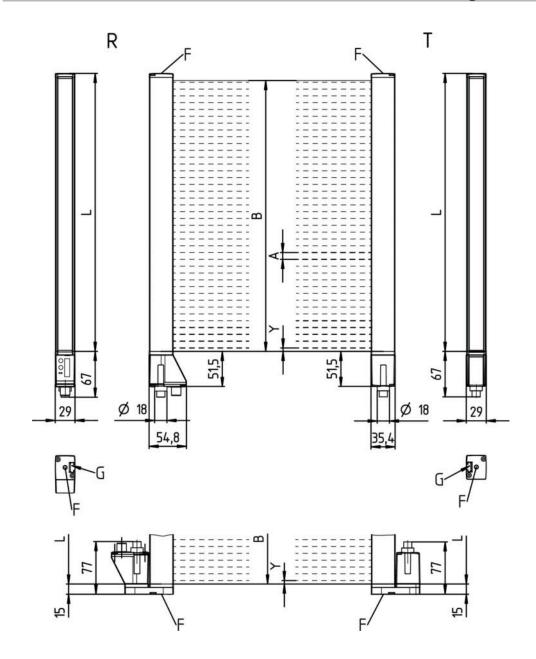
Environmental data		
Ambient temperature, operation	-30 60 °C	
Ambient temperature, storage	-40 70 °C	
Certifications		
Degree of protection	IP 65	
Protection class	III	
Certifications c CSA US		
Standards applied IEC 60947-5-2		

Classification	
Customs tariff number	90314990
eCl@ss 8.0	27270910
eCl@ss 9.0	27270910
ETIM 5.0	EC002549
ETIM 6.0	EC002549

#### **Dimensioned drawings**

All dimensions in millimeters

Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

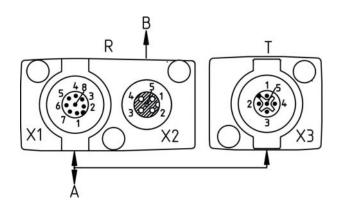


A Beam spacing 20 mm B Measurement field length 1110 mm

F M6 thread

- G Fastening groove
- L Profile length 1128 mm
- T Transmitter
- R Receiver
- Y 5 mm

Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver



A PWR / SW IN/OUT B BUS IN / OUT

#### **Electrical connection**

Connection 1	
Function	Configuration interface Connection to transmitter Signal IN Signal OUT Voltage supply
Type of connection	Connector
Thread size	M12
Туре	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

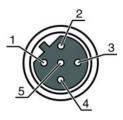
Pin	Pin assignment
1	V+
2	I/O 1
3	GND
4	IO-Link
5	I/O 2
6	RS 485 Tx+
7	RS 485 Tx+
8	FE/SHIELD



Connection 2		
Function	BUS IN BUS OUT	
Type of connection	Connector	
Thread size	M12	
Туре	Female	
Material	Metal	
No. of pins	5 -pin	
Encoding	B-coded	

### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

Pin	Pin assignment
1	V+
2	Tx-
3	PB GND
4	Tx+
5	FE/SHIELD



#### **Operation and display**

#### LEDs

LED	Display	Meaning
1	Green, continuous light	Operational readiness
	Green, flashing	Teach / error
		Measurement frequency display
2	Yellow, continuous light	Light path free, with function reserve
	Yellow, flashing	No function reserve
	Off	Object detected

#### Suitable transmitters

Part no.	Designation	Article	Description
	CML720i- T20-1110.R-M12	Light curtain transmitter	Operating range: 0.3 6 m Connection: Connector, M12, Rear side, 5 -pin

#### Part number code

Part designation: CML7XXi-YZZ-AAAA.BCCCDDD-EEEFFF

CML	Operating principle: Measuring light curtain
7XXi	Series: 720i: 720i series 730i: 730i series
Y	Device type: T: transmitter R: receiver
ZZ	Beam spacing: 05: 5 mm 10: 10 mm 20: 20 mm 40: 40 mm
AAAA	Measurement field length [mm], dependent on beam spacing
В	Equipment: A: connector outlet, axial R: rear connector outlet

### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

CCC	Interface: L: IO-Link /CN: CANopen /PB: PROFIBUS /PN: PROFINET /CV: Analog current and voltage output /D3: RS 485 Modbus	
DDD	Special equipment: -PS: Power Setting	
EEE	Electrical connection: M12: M12 connector	
FFF	-EX: Explosion protection:	

#### Note

A list with all available device types can be found on the Leuze electronic website at www.leuze.com.

#### Notes

#### Observe intended use!

- This product is not a safety sensor and is not intended as personnel protection.
- The product may only be put into operation by competent persons.
- Only use the product in accordance with its intended use.

#### For UL applications:

- For UL applications, use is only permitted in Class 2 circuits in accordance with the NEC (National Electric Code).
- These proximity switches shall be used with UL Listed Cable assemblies rated 30V, 0.5A min, in the field installation, or equivalent (categories: CYJV/CYJV7 or PVVA/PVVA7)

#### Accessories

### Connection technology - Connection cables

Part no.	Designation	Article	Description
50132079	KD U-M12-5A- V1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

#### Part no.: 50123636 – CML720i-R20-1110.R/D3-M12 – Light curtain receiver

#### Connection technology - Y distribution cables

	Part no.	Designation	Article	Description
		K-Y1 M12A-5m- M12A-S-PUR	Interconnection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connection 2: Connector, M12, Axial, Male, A-coded, 5 -pin Connection 3: Connector, M12, Axial, Female, A-coded, 8 -pin Shielded: Yes Cable length fork 1: 5,000 mm Cable length fork 2: 150 mm Sheathing material: PUR
	50123265	K-YPB M12A-5m- M12A-S-PUR	Interconnection cable	Suitable for interface: PROFIBUS DP Connection 1: Connector, M12, Axial, Male, B-coded, 5 -pin Connection 2: Connector, M12, Axial, Female, B-coded, 5 -pin Connection 3: Connector, M12, Axial, Male, B-coded, 5 -pin Shielded: Yes Cable length fork 1: 5,000 mm Cable length fork 2: 250 mm Sheathing material: PUR

## Mounting technology - Mounting brackets

Part no.	Designation	Article	Description
50142900	BT 700M.5-2SET	Mounting device set	Contains: 2x mounting brackets, 1 teach template, 4 M6 x 10 screws Design of mounting device: Bracket mounting Fastening, at system: Through-hole mounting, T slotted hole Mounting bracket, at device: Screw type, Sliding block Type of mounting device: Rigid Material: Steel

### Mounting technology - Swivel mounts

	Part no.	Designation	Article	Description
RR.	429046	BT-2R1	set	Contains: 2x BT-R swivel mount, 1 cylinder for mounting on the light curtain Fastening, at system: Through-hole mounting Mounting bracket, at device: Clampable Type of mounting device: Turning, 360° Material: Metal, Plastic

### Services

Part no.	Designation	Article	Description
S981001	CS10-S-110	Start-up support	Details: Performed at location of customer's choosing, duration: max. 10 hours. Conditions: Devices and connection cables are already mounted, price not including travel costs and, if applicable, accommodation expenses. Restrictions: No mechanical (mounting) and electrical (wiring) work performed, no changes (attachments, wiring, programming) to third-party components in the nearby environment.
S981005	CS10-T-110	Product training	Details: Location and content to be agreed upon, duration: max. 10 hours. Conditions: Price not including travel costs and, if applicable, accommodation expenses. Restrictions: Travel costs and accommodation expenses charged separately and according to expenditure.

Note
A list with all available accessories can be found on the Leuze electronic website in the Download tab of the article detailed page