SMART SENSOR BUSINESS

Leuze electronic

the sensor people



Part no.: 50122942 CML720i-R05-400.R/PB-M12 Light curtain receiver



Figure can vary

Contents

- Technical data
- · Dimensioned drawings
- Electrical connection
- · Operation and display
- Suitable transmitters
- Part number code
- Notes
- Accessories

Part no.: 50122942 – CML720i-R05-400.R/PB-M12 – Light curtain receiver

Technical data

Basic data			
Basic data Series	720		
Operating principle	Throughbeam principle		
Device type	Receiver		
Contains	Accessories for the use of the BT-2R1		
Application	Object measurement		
Αρριταιιοτ			
Special design			
Special design	Crossed-beam scanning		
	Diagonal-beam scanning		
	Parallel-beam scanning		
Optical data			
Operating range	Guaranteed operating range		
Operating range	0.1 3.5 m		
Operating range limit	Typical operating range		
Operating range limit	0.1 4.5 m		
Measurement field length	400 mm		
Number of beams	80 Piece(s)		
Beam spacing	5 mm		
Deam spacing	5 1111		
Measurement data			
Minimum object diameter	10 mm		
Protective circuit	Polarity reversal protection Short circuit protected Transient protection		
Performance data			
Supply voltage U _B	18 30 V , DC		
Residual ripple	0 15 % , From U _B		
Open-circuit current	0 165 mA , The specified values refer to the entire package con- sisting of transmitter and receiver.		
Inputs/outputs selectable			
Output current, max.	100 mA		
Input resistance	6,000 Ω		
Number of inputs/outputs selectable	2 Piece(s)		
Туре	Inputs/outputs selectable		
Voltage type, outputs	DC		
Switching voltage, outputs	Typ. U _B / 0 V		
Voltage type, inputs	DC		
Switching voltage, inputs high: ≥6V low: ≤4V			
Input/output 1			
Activation/disable delay	1 ms		
Timing			
Cycle time	2.8 ms		
Response time per beam	30 µs		

Part no.: 50122942 – CML720i-R05-400.R/PB-M12 – Light curtain receiver

Interface PROFIBUS DP Process Process Service interface Type Type IO-Link Oblink Configuration via software Service interface Service Type IO-Link Oblink Configuration via software Service Service Connection Service Number of connections 2 Piece(s) Ping code Rear side Connection 1 Connection therapset Function Connection therapset Type of connection Connector Type of connection Busin No. of pins 8-pin Encoding Acoded Connector Connector Type of connecton Connector Type of connecton Connector Typ			
PROFIBUS DP Function Process Service interface Type Type IO-Link IO-Link Configuration via software Service Connection Configuration via software Service Number of connections 2 Piece(s) Plug outet Rear side Connection 1 Configuration interface Constraints Function Configuration interface Constraints Signal OUT Voltage supply Type of connection Thread size M12 Type of connection Connector Thread size M12 Type of connection 2 Encoding Encoding A-coded Connector 2 Encoding Function BUS IN BUS OUT Type of connecton Connector Thread size M12 Type Female Material Metal No. of pins 5-pin Encoding B-coded Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal <tr< td=""><td>Interface</td><td></td></tr<>	Interface		
Function Process Service interface IO-Link Type IO-Link IO-Link Configuration via software Service Connection 2 Piece(s) Number of connections 2 Piece(s) Plug outlet Rear sole Connection 1 Configuration interface Connection to transmitter Signal OUT Function Configuration interface Connection to transmitter Signal OUT Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 8 -pin Encoding A-coded Connection 1 Connector Type of connectian Connector Type of connectian BUS NT No. of pins 8 -pin Encoding A-coded Connection 1 Connector Thread size M12 Type 1 Penale Material Metal No. of pins 5-pin Encoding S-pin 4 Di		PROFIBUS DP	
Service interface Type IO-Link IOLink IOLink Function Configuration via software Service Connection Service Number of connections 2 Pleoc(s) Plug outet Rear side Connection 1 Configuration interface Connection to transmitter Signal N Function Configuration interface Connection to transmitter Signal N Type of connection Connector Thread size M12 Type of connection Bappin N No. of pins 8-pin Encoding A-coded Connecton 2 Paranetic Function BUS N Encoding A-coded Connecton 0 Connector Type of connecton Connector Type of connecton BUS N Encoding B-pin Encoding B-pin Material Metal No. of pins 5-pin Encoding B-coded Design Cubic Dimension (W x H x L)		_	
Type IO-Link Function Configuration via software Service Onnection Configuration via software Service Plug outlet Rear side Connection 1 Configuration interface Connection therametry Function Configuration interface Connection therametry Signal IN Signal	Function	Process	
Type IO-Link Function Configuration via software Service Onnection Configuration via software Service Plug outlet Rear side Connection 1 Configuration interface Connection therametry Function Configuration interface Connection therametry Signal IN Signal			
Ide-Link Function Configuration via software Service Connection 2 Service Number of connections 2 Plece(s) Plug outlet Rear side Configuration interface Connection to transmitter Signal IOUT Configuration interface Connection to transmitter Signal IOUT Type of connection Connector Trading Thread size M12 Type Type of connection Connector Connector Thread size M12 Type Type of connection Acoded Connector Connection 2 Encoding A-coded Connection 2 Encoding A-coded Connection 3 BUS N BUS OUT Type of connection Connector Type Thread size M12 Type Function BUS N BUS OUT Type of connector Connector Type Thread size M12 Type Function BUS N BUS N Material Metal Metal Material			
Function Configuration via software Service Service Service Function 2 Piece(s) Plug outlet Rear side Connection 1 Configuration interface Competition to transmitter Signal IV Type of connection Connector Type of connection Connector Trad size M12 Type of connection Connector Thread size M12 Type of pins 5-pin Encoding B-co		IO-Link	
Service Connection Number of connections 2 Piece(s) Plug culet Rear side Connection 1 Connection Interface Connection 0 Connection Interface Connection 1 Connection Interface Function Connection Interface Connection Connector Type of connection Connector Thread size M12 Type of connection Mate Material Metal Na. of pins 8-pin Encoding A-coded Connector 2 Pinction Function BUS IN BUS OUT Type of connector Thread size Thread size M12 Type of connector Connector Thread size M12 Type for ennector Connector Thread size M12 Type for ennector Encoding B-coded Servin Material Metal No. of pins 5-pin Encoding B			
Number of connections 2 Piece(s) Plug cutet Rear side Connection 1 Configuration interface Connection to transmitter Signal DUT Voltage supply Type of connection Connector Thread size M12 Type of connection Male Material Metal No. of pins 8 - pin Encoding A-coded Connecton 2 Function Function BUS IN BUS OUT Type of connection Connector Thread size M12 Type of connection Connector Thread size M12 Type of c	Function	Configuration via software Service	
Number of connections 2 Piece(s) Plug cutet Rear side Connection 1 Configuration interface Connection to transmitter Signal DUT Voltage supply Type of connection Connector Thread size M12 Type of connection Male Material Metal No. of pins 8 - pin Encoding A-coded Connecton 2 Function Function BUS IN BUS OUT Type of connection Connector Thread size M12 Type of connection Connector Thread size M12 Type of c			
Number of connections 2 Piece(s) Plug cutet Rear side Connection 1 Configuration interface Connection to transmitter Signal DUT Voltage supply Type of connection Connector Thread size M12 Type of connection Male Material Metal No. of pins 8 - pin Encoding A-coded Connecton 2 Function Function BUS IN BUS OUT Type of connection Connector Thread size M12 Type of connection Connector Thread size M12 Type of c	Connection		
Connection 1 Function Configuration interface Connection to transmitter Signal N Signal OUT Voltage suppy Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 8-pin Encoding A-coded Connection 2 Encoding Function BUS IN BUS OUT Type of connection Connector Type Female Material Metal No. of pins 5-pin Encoding B-coded Design Cubic Dimension (W x H x L) 29 mm x 354 mm x 423 mm Housing material Metal, Aluminum Lencover material Plastic Net weight 700 g Housing color Silver Type of faste		2 Piece(s)	
Function Configuration interface Connection to transmitter Signal Out Voltage supply Type of connection Connector Thread size M12 Type Male Male Material Metal No. of pins 8 -pin Encoding A-coded Connector Type Function BUS IN BUS OUT Type of connection 2 Termate Function BUS N Encoding Connector Type of connection Connector Type of connection Connector Thread size M12 Type Female Material Metal No. of pins 5 -pin Encoding B-coded Material Metal No. of pins 5 -pin Encoding B-coded Material Metal No. of pins 5 -pin Encoding Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal, Aluminum Lens cover material Plastic	Plug outlet	Rear side	
Signal Na Signal OUT Signal OUT Voltage supply Type of connection Connector Thread size M12 Type Male Material Metal No. of pins 8 -pin Encoding A-coded Connection 2 Function Function BUS N BUS OUT Type of connection Type of connection Connector Encoding B-coded Desigin	Connection 1		
Signal IN Signal OUT Voltage supply Type of connection Thread Size Material Material No. of pins B. opin Encoding A-coded Connection 2 Function BUS IN BUS OUT Type of connection Connector Thread Size Material Material Material Material Material Material No. of pins Encoding B-coded Material Material No. of pins Encoding B-coded Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Plastic Net weight 700 g Housing color	Function	Configuration interface	
Signal OUT Voltage supply Type of connection Thread size Type Malerial Material No. of pins Encoding A-coded Connection 2 Function Function BUS IN BUS OUT Type of connection Connector Thread size Material Metal No. of pins Encoding B-coded Metal No. of pins Encoding Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Lens cover material Lens cover material Net weight 700 g		Connection to transmitter Signal IN	
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 connection Connector Thread size M12 Type of connection Connector Thread size M12 Type of connection S - pin Encoding B - coded Material Metal No. of pins S - pin Encoding B - coded Mechanical data Metal Design Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Via optional mounting device Via optional mo		Signal OUT	
Thread size M12 Type Male Material Metal Material Metal Maine 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 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 423 mm Housing material Metal. Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED display Number of LEDs 2 Plece(s) Type of configuration Software	Type of connection		
TypeMaleMaterialMetalNo. of pins8 -pinEncodingA-codedConnection 2FunctionBUS IN BUS OUTType of connectionConnectorThread sizeM12Type of connectionFemaleMaterialMetalNo. of pins5 -pinEncodingB-codedMethanizationB-codedMethanizationCubicDimension (W x H x L)29 mm x 35.4 mm x 423 mmHousing materialMetalNet weight700 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceVia optional mounting deviceUED OLED displayNumber of LEDS2 Piece(s)Type of configurationSoftwareType of configurationSoftware			
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 Female Material Metal No: of pins 5 -pin Encoding B-coded Mechanical data Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting device Via optional mounting device Via optional mounting device Type of fastening LED oLED display Number of LEDs 2 Plece(s) Type or oninguration Software			
No. of pins8 -pinEncodingA-codedConnection 2FunctionBUS IN BUS OUTType of connectionConnectorThread sizeM12TypeFemaleMaterialMetalNo. of pins5 -pinEncodingB-codedMechanical data29 mm x 35.4 mm x 423 mmHousing materialMetalNet weight700 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceVariable of displayLED OLED displayNumber of LEDs2 Piece(s)Type of displaySoftware Trach-in			
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 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED Silval Type of display LED OLED Silval Type of configuration Software Teach-in			
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 Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting via optional mounting device Operation and display LED OLED COLED Type of display LED OLED COLE Type of configuration Software Teach-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 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting via optional mounting device Operation and display Type of display LED olLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
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 423 mm Housing material Metal, Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting via optional mounting device Operation and display Type of configuration 2 Piece(s) Type of configuration Software Teach-in	Function		
Thread size M12 Type Female Material Metal No. of pins 5 -pin Encoding B-coded Mechanical data			
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 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting device Via optional mounting device Operation and display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
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 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Dece(s) Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
No. of pins 5 -pin Encoding B-coded Mechanical data			
Encoding B-coded Mechanical data Cubic Design Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting via optional mounting device Operation and display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Mechanical data Design Cubic Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
DesignCubicDimension (W x H x L)29 mm x 35.4 mm x 423 mmHousing materialMetal , AluminumLens cover materialPlasticNet weight700 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceOperation and displayType of displayLED OLED displayNumber of LEDs2 Piece(s)Type of configurationSoftware Teach-in	Encoding	P-coded	
DesignCubicDimension (W x H x L)29 mm x 35.4 mm x 423 mmHousing materialMetal , AluminumLens cover materialPlasticNet weight700 gHousing colorSilverType of fasteningGroove mounting Via optional mounting deviceOperation and displayType of displayLED OLED displayNumber of LEDs2 Piece(s)Type of configurationSoftware Teach-in	Machaniael data		
Dimension (W x H x L) 29 mm x 35.4 mm x 423 mm Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting via optional mounting device Operation and display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in		Cubic	
Housing material Metal , Aluminum Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Lens cover material Plastic Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Net weight 700 g Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Housing color Silver Type of fastening Groove mounting Via optional mounting device Operation and display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in		700 g	
Type of fastening Groove mounting Via optional mounting device Operation and display LED OLED display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Operation and display Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in	Type of fastening Groove mounting		
Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in		Via optional mounting device	
Type of display LED OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
OLED display Number of LEDs 2 Piece(s) Type of configuration Software Teach-in			
Type of configuration Software Teach-in	Type of display		
Teach-in	Number of LEDs	2 Piece(s)	
Operational controls Membrane keyboard	Type of configuration		
	Operational controls	Membrane keyboard	

Leuze electronic GmbH + Co. KG, In der Braike 1, 73277 Owen Phone: +49 7021 573-0, Fax: +49 7021 573-199

Part no.: 50122942 – CML720i-R05-400.R/PB-M12 – Light curtain receiver

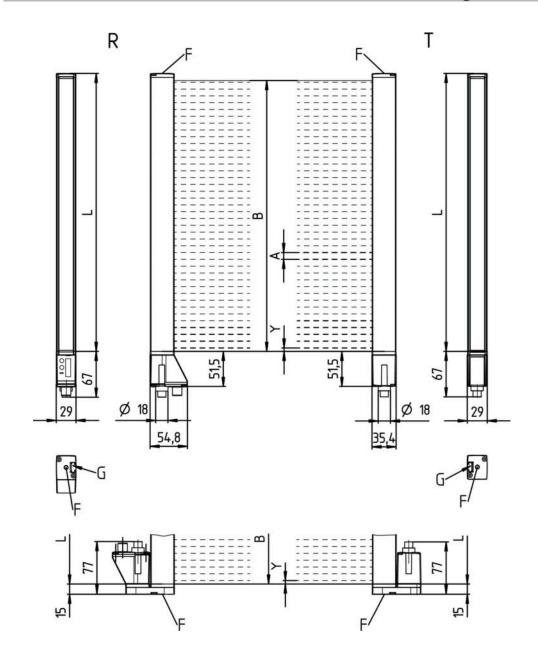
Environmental data			
Ambient temperature, operation	-30 60 °C		
Ambient temperature, storage	-40 70 °C		
Certifications			
Degree of protection	IP 65		
Protection class	III		
Certifications c CSA US			
Standards applied	IEC 60947-5-2	IEC 60947-5-2	

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.: 50122942 - CML720i-R05-400.R/PB-M12 - Light curtain receiver



A Beam spacing 5 mm B Measurement field length 400 mm

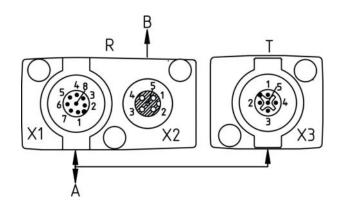
F M6 thread

- G Fastening groove
- L Profile length 408 mm

T Transmitter

- R Receiver
- Y 2.5 mm

Part no.: 50122942 – CML720i-R05-400.R/PB-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	

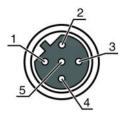
Pin	Pin assignment
1	V+
2	I/O 1
3	GND
4	IO-Link
5	I/O 2
6	RS 485 Tx+
7	RS 485 Tx+
8	FE/SHIELD



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.: 50122942 – CML720i-R05-400.R/PB-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
5			Light curtain transmitter	Operating range: 0.1 3.5 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.: 50122942 – CML720i-R05-400.R/PB-M12 – Light curtain receiver

CCC	Interface: L: IO-Link /CN: CANopen /PB: PROFIBUS /PN: 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.: 50122942 – CML720i-R05-400.R/PB-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
ęł.	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

Part no.	Designation	Article	Description
50121098	SET MD12-US2-IL1.1 + Zub.	Diagnostics set	Interface: USB Connections: 2 Piece(s) Degree of protection: IP 20

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.

Part no.: 50122942 – CML720i-R05-400.R/PB-M12 – Light curtain receiver

Part no.	Designation	Article	Description
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.

Ν	ote

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