# SMART SENSOR BUSINESS

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Part no.: 50143107 RK46C.DL3/4P-M12 Unpolarized retro-reflective photoelectric sensor



Figure can vary

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- · Dimensioned drawings
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# Leuze electronic

# Part no.: 50143107 - RK46C.DL3/4P-M12 - Unpolarized retro-reflective

#### **Technical data**

Detection of polybags on conveyor belt     Switching distance Sn   0 1,500 mm     Special design   Light-band     Special design   Light-band     Optical data   0.55 1.5 m     Operating range   0.55 1.5 m     Operating range limit   0.55 1.5 m     .ight source   LED , Red     .ED light wavelength   620 nm     .ED group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed     .ight spot size [at sensor distance]   25 mm x 19 mm [1,000 mm]     Fype of light spot geometry   Rectangular     Weasurement data     Sectrical data	Basic data		
application     Detection of regular objects on conveyor belt       Betection of polybags on conveyor belt     Detection of polybags on conveyor belt       Switching distance Sn	Series	46C	
Detection of polybags on conveyor belt       Switching distance Sn     0 1,500 mm       Special design     Light-band       Special design     Light-band       Operating range     0.55 1.5 m       Operating range limit     0.55 1.5 m       Jight source     LED , Red       ED light wavelength     620 nm       ED group     Exempt group (in acc. with EN 62471)       Transmitted-signal shape     Pulsed       Jight spot ize fat sensor distance]     25 mm x 19 mm [1,000 mm]       Type of light spot geometry     Rectangular       Weasurement data     Minimum object size       Minimum object size     5 mm       Protective circuit     Short circuit protection Short circuit protection       Short protection     0 30 V, DC , Incl. residual ripple       Residual ripple     0 15 % , From Ug       Open-circuit current     0 20 mA       Outputs     2 Plece(s)       Switching outputs     2 Plece(s)       Switching outputs     2 Plece(s)       Switching outputs     2 Plece(s)       Switching output 1     Connection 1, pin 4	Operating principle	Reflection principle	
Special design   Light-band     Special design   Light-band     Optical data   Derating range   0.55 1.5 m     Operating range limit   0.35 1.6 m   Light source     LED   LED, Red   EED group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed   Derating in a constraint of the source of t	Application		
Special design Light-band	Switching distance Sn	0 1,500 mm	
Optical data     Operating range   0.55 1.5 m     Operating range limit   0.55 1.5 m     Upt source   LED, Red     LED light wavelength   620 nm     LED group   Exempt group (n acc. with EN 62471)     Transmitted-signal shape   Pulsed     Light source is lease of distance)   25 mm × 19 mm [1,000 mm]     Type of light spot geometry   Rectangular     Measurement data   Minimum object size     Minimum object size   5 mm     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Supply voltage Ug   10 30 V, DC, Incl. residual ripple     Residual ripple   0 15 % , From Ug     Open-circuit current   0 20 mA     Outputs   Voltage type     Voltage type   DC     Switching outputs   2 Piece(s)     Switching outputs   2 Dece(s)     Switching output 1   Connection 1, pin 4     Switching output 2   Connection 1, pin 4     Switching output 2   Law: s2v     Switching output 2   Connection 1, pin 2     Switching output 2   Switching output 2 <td< td=""><td>Special design</td><td></td></td<>	Special design		
Derifing range limit   0.55 1.5 m     Light source   LED, Red     LED light wavelength   620 nm     EED group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed     Light spot size [at sensor distance]   25 mm x 19 mm [1.000 nm]     Type of light spot geometry   Rectangular     Measurement data     Winimum object size   5 mm     Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage Ug     Residual ripple   0 30 V , DC , Incl. residual ripple     Residual ripple   0 30 V , DC , Incl. residual ripple     Open-circuit current   0 20 mA     Outputs     Voltage Ug   0 15 % , From Ug     Open-circuit current   0 20 mA     Outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching output 1   2     Assignment   Connection 1, pin 4     Switching output 2   2     Assignment   Connection 1, pin 2 <tr< td=""><td>Special design</td><td>Light-band</td></tr<>	Special design	Light-band	
Derifing range limit   0.55 1.5 m     Light source   LED, Red     LED light wavelength   620 nm     EED group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed     Light spot size [at sensor distance]   25 mm x 19 mm [1.000 nm]     Type of light spot geometry   Rectangular     Measurement data     Winimum object size   5 mm     Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage Ug     Residual ripple   0 30 V , DC , Incl. residual ripple     Residual ripple   0 30 V , DC , Incl. residual ripple     Open-circuit current   0 20 mA     Outputs     Voltage Ug   0 15 % , From Ug     Open-circuit current   0 20 mA     Outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching output 1   2     Assignment   Connection 1, pin 4     Switching output 2   2     Assignment   Connection 1, pin 2 <tr< td=""><td>Optical data</td><td></td></tr<>	Optical data		
LED rot LED, Red LED group LED group Exempt group (in acc. with EN 62471) Transmitted-signal shape Pulsed LED group Rectangular Type of light spot geometry Rectangular <b>Measurement data</b> <b>Minimum object size</b> 5 mm <b>Electrical data</b> Protective circuit Polarity reversal protection Structure of the second seco	Operating range	0.55 1.5 m	
LED light wavelength   620 nm     LED group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed     Light spot size [at sensor distance]   25 mm x 19 mm [1,000 mm]     Type of light spot geometry   Rectangular     Measurement data   Measurement data     Minimum object size   5 mm     Electrical data   Polarity reversal protection Short circuit protected Transient protection     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Supply voltage UB   10 30 V, DC, Incl. residual ripple     Residual ripple   0 15 %, From UB     Open-circuit current   0 20 mA     Outputs   Voltage type     Number of digital switching outputs   2 Piece(s)     Switching current, max.   100 mA     Switching cutput 1   Connection 1, pin 4     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching output 2   Assignment   Connection 1, pin 2     Switching element   Transistor, PNP     Switching element   Transistor, PNP	Operating range limit	0.55 1.5 m	
ELD group   Exempt group (in acc. with EN 62471)     Transmitted-signal shape   Pulsed     Light spot size [at sensor distance]   25 mm x 19 mm [1,000 mm]     Type of light spot geometry   Rectangular     Measurement data   Measurement data     Minimum object size   5 mm     Electrical data   Polarity reversal protection     Protective circuit   Polarity reversal protected Transient protection     Open-circuit current   0 30 V, DC , Incl. residual ripple     Outputs   Number of digital switching outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching output 1   Connection 1, pin 4     Assignment   Connection 1, pin 4     Switching output 2   Light switching     Switching output 2   Light switching     Switching element   Transistor , PNP	Light source	LED , Red	
Transmitted-signal shape   Pulsed     Light spot size [at sensor distance]   25 mm x 19 mm [1.000 mm]     Type of light spot geometry   Rectangular     Measurement data	LED light wavelength	620 nm	
Light spot size [at sensor distance] 25 mm x 19 mm [1,000 mm] Type of light spot geometry Rectangular Measurement data Minimum object size 5 mm Electrical data Protective circuit Polarity reversal protection Short circuit protected Transient protection Short circuit protected Transient protection Supply voltage Us 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From Us Open-circuit current 0 20 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Voltage type DC Switching output 1 Assignment Connection 1, pin 4 Switching pelement Transistor , PNP	LED group	Exempt group (in acc. with EN 62471)	
Type of light spot geometry   Rectangular     Measurement data     Minimum object size   5 mm     Electrical data   Potarity reversal protection Short circuit protected Transient protection     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Performance data   Supply voltage UB     Supply voltage UB   10 30 V, DC, Incl. residual ripple     Residual ripple   0 15 %, From UB     Open-circuit current   0 20 mA     Outputs   Voltage type     Number of digital switching outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Voltage type   DC     Switching outputs   100 mA     Switching output 1   Connection 1, pin 4     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching output 2   Assignment   Connection 1, pin 2     Switching element   Transistor, PNP	Transmitted-signal shape	Pulsed	
Measurement data     Minimum object size   5 mm     Electrical data     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage UB   10 30 V , DC , Incl. residual ripple     Residual ripple   0 15 % , From UB     Open-circuit current   0 20 mA     Outputs   Voltage type     Number of digital switching outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching output 1   Assignment     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching principle   Light switching     Switching principle   Light switching     Switching perment   Transistor , PNP     Switching element   Transistor , PNP	Light spot size [at sensor distance]	25 mm x 19 mm [1,000 mm]	
Electrical data     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage UB   10 30 V , DC , Incl. residual ripple     Residual ripple   0 15 % , From UB     Open-circuit current   0 20 mA     Outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching outputs   100 mA     Switching outputs   100 mA     Switching output 1   22 V     Switching output 1   Connection 1, pin 4     Switching output 2   Light switching     Switching output 2   Switching output 2     Switching output 2   Switching output 2     Switching element   Transistor , PNP     Switching element   Transistor , PNP     Switching element   Transistor , PNP	Type of light spot geometry	Rectangular	
Electrical data     Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage UB   10 30 V , DC , Incl. residual ripple     Residual ripple   0 15 % , From UB     Open-circuit current   0 20 mA     Outputs   0     Number of digital switching outputs   2 Piece(s)     Switching outputs   0 DC     Switching current, max.   100 mA     Switching voltage   High: ≥(Ug-2V) Low: s2V     Switching output 1   Assignment     Assignment   Connection 1, pin 4     Switching output 2   Switching     Switching element   Transistor , PNP     Switching output 2   Switching output 2     Switching element   Connection 1, pin 2     Switching element   Transistor , PNP	Measurement data		
Protective circuit   Polarity reversal protection Short circuit protected Transient protection     Performance data     Supply voltage UB   10 30 V, DC, Incl. residual ripple     Residual ripple   0 15 %, From UB     Open-circuit current   0 20 mA     Outputs   Voltage type     Number of digital switching outputs   2 Piece(s)     Switching outputs   DC     Switching current, max.   100 mA     Switching output 1   Connection 1, pin 4     Switching output 1   Switching output 2     Assignment   Connection 1, pin 2     Switching output 2   Light switching     Switching output 2   Switching output 2     Assignment   Connection 1, pin 2     Switching output 2   Switching output 2     Assignment   Connection 1, pin 2	Minimum object size	5 mm	
Supply voltage UB   10 30 V, DC, Incl. residual ripple     Residual ripple   0 15 %, From UB     Open-circuit current   0 20 mA     Outputs   2 Piece(s)     Switching outputs   2 Piece(s)     Switching current, max.   100 mA     Switching voltage   High: 2(UB-2V) Low: 52V     Switching output 1     Assignment   Connection 1, pin 4     Switching output 2     Assignment   Connection 1, pin 2     Switching output 2     Assignment   Connection 1, pin 2     Switching output 2     Assignment   Connection 1, pin 2		Short circuit protected	
Residual ripple   0 15 % , From UB     Open-circuit current   0 20 mA     Outputs   Number of digital switching outputs   2 Piece(s)     Switching outputs   0 C     Voltage type   DC     Switching current, max.   100 mA     Switching voltage   High: ≥(UB-2V) Low: ≤2V     Switching output 1     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching output 2   Assignment     Switching output 2   Connection 1, pin 2     Switching element   Transistor , PNP     Switching output 2   Switching output 2     Assignment   Connection 1, pin 2     Switching element   Transistor , PNP			
Open-circuit current   0 20 mA     Outputs   2 Piece(s)     Number of digital switching outputs   2 Piece(s)     Switching outputs   DC     Voltage type   DC     Switching current, max.   100 mA     Switching voltage   High: ≥(UB-2V) Low: ≤2V     Switching output 1   Connection 1, pin 4     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching output 2   Assignment     Switching output 2   Connection 1, pin 2     Switching element   Transistor , PNP	Supply voltage U <sub>B</sub>	10 30 V , DC , Incl. residual ripple	
Outputs   2 Piece(s)     Number of digital switching outputs   2 Piece(s)     Switching outputs   DC     Voltage type   DC     Switching current, max.   100 mA     Switching voltage   High: ≥(UB-2V) Low: ≤2V     Switching output 1     Assignment   Connection 1, pin 4     Switching principle   Light switching     Switching output 2   Connection 1, pin 2     Switching element   Transistor, PNP	Residual ripple	0 15 % , From U <sub>B</sub>	
Number of digital switching outputs   2 Piece(s)     Switching outputs   DC     Voltage type   DC     Switching current, max.   100 mA     Switching voltage   High: ≥(UB-2V) Low: <2V	Open-circuit current	0 20 mA	
Switching outputs   DC     Voltage type   DC     Switching current, max.   100 mA     Switching voltage   High: ≥(UB-2V) Low: ≤2V     Switching output 1     Assignment   Connection 1, pin 4     Switching element   Transistor , PNP     Switching output 2   Light switching     Switching element   Connection 1, pin 2     Switching element   Transistor , PNP	Outputs		
Voltage typeDCSwitching current, max.100 mASwitching voltageHigh: ≥(UB-2V) Low: ≤2VSwitching output 1Connection 1, pin 4AssignmentConnection 1, pin 4Switching elementTransistor , PNPSwitching principleLight switchingSwitching output 2Connection 1, pin 2Switching elementTransistor , PNP	Number of digital switching outputs	2 Piece(s)	
Switching current, max.100 mASwitching voltageHigh: ≥(UB-2V) Low: ≤2VSwitching output 1AssignmentConnection 1, pin 4Switching elementTransistor , PNPSwitching principleLight switchingSwitching output 2AssignmentConnection 1, pin 2Switching elementTransistor , PNP	Switching outputs		
Switching voltage   High: ≥(UB-2V) Low: ≤2V     Switching output 1     Assignment   Connection 1, pin 4     Switching element   Transistor , PNP     Switching principle   Light switching     Switching output 2   Connection 1, pin 2     Switching element   Transistor , PNP	Voltage type	DC	
Low: ≤2V     Switching output 1     Assignment   Connection 1, pin 4     Switching element   Transistor , PNP     Switching principle   Light switching     Switching output 2   Connection 1, pin 2     Switching element   Transistor , PNP	Switching current, max.	100 mA	
AssignmentConnection 1, pin 4Switching elementTransistor , PNPSwitching principleLight switchingSwitching output 2Switching elementSwitching elementConnection 1, pin 2Switching elementTransistor , PNP	Switching voltage	- · · · · ·	
Switching elementTransistor , PNPSwitching principleLight switchingSwitching output 2Connection 1, pin 2AssignmentConnection 1, pin 2Switching elementTransistor , PNP	Switching output 1		
Switching principle Light switching   Switching output 2 Connection 1, pin 2   Assignment Connection 1, pin 2   Switching element Transistor , PNP	Assignment	Connection 1, pin 4	
Switching output 2     Assignment   Connection 1, pin 2     Switching element   Transistor , PNP			
AssignmentConnection 1, pin 2Switching elementTransistor , PNP	Switching principle	Light switching	
Switching element Transistor , PNP	Switching output 2		
	Assignment	Connection 1, pin 2	
Switching principle Dark switching		Transistor , PNP	
	Switching principle	Dark switching	

Switching frequency

250 Hz

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## Part no.: 50143107 – RK46C.DL3/4P-M12 – Unpolarized retro-reflective

Response time	2 ms
Readiness delay	300 ms

connection		
Connection 1		
Function	Signal OUT Voltage supply	
Type of connection	Connector	
Thread size	M12	
Туре	Male	
Material	Plastic	
No. of pins	4 -pin	
Encoding	A-coded	

Mechanical data	
Dimension (W x H x L)	20.5 mm x 76.3 mm x 44 mm
Housing material	Plastic , PC-PBT
Lens cover material	Plastic / PMMA
Net weight	60 g
Housing color	Red
Type of fastening	Through-hole mounting Via optional mounting device
Compatibility of materials	ECOLAB

Operation and display		
Type of display	LED	
Number of LEDs	2 Piece(s)	
Operational controls	Teach button	
Function of the operational control	Light/dark switching Sensitivity adjustment	

Environmental data		
Ambient temperature, operation	-40 60 °C	
Ambient temperature, storage	-40 70 °C	

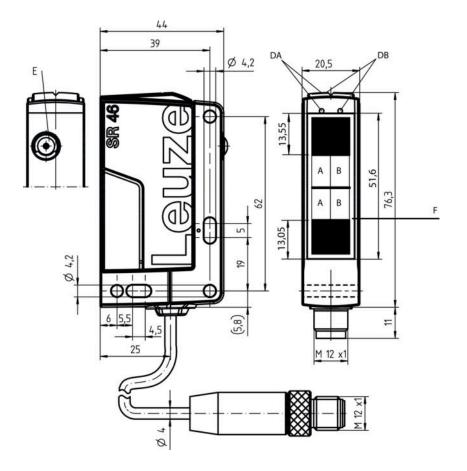
Certifications	
Degree of protection	IP 67 IP 69K
Protection class	III , Rating voltage 50 V
Certifications	c UL US
Standards applied	IEC 60947-5-2

Classification		
Customs tariff number	85365019	
eCl@ss 8.0	27270902	
eCl@ss 9.0	27270902	
ETIM 5.0	EC002717	
ETIM 6.0	EC002717	

### Part no.: 50143107 - RK46C.DL3/4P-M12 - Unpolarized retro-reflective

#### **Dimensioned drawings**

All dimensions in millimeters



A Transmitter side

B Receiver side

DA Green LED

DB Yellow LED

E Teach button

F Top edge height of the conveyor belt

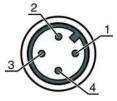
### **Electrical connection**

Connection 1	
Function	Signal OUT Voltage supply
Type of connection	Connector
Thread size	M12
Туре	Male
Material	Plastic
No. of pins	4 -pin
Encoding	A-coded

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# Part no.: 50143107 - RK46C.DL3/4P-M12 - Unpolarized retro-reflective

Pin	Pin assignment
1	V+
2	OUT 2
3	GND
4	OUT 1



### **Operation and display**

#### LEDs

Display LED 1	Display LED 2	Meaning
Green, continuous light	Off	Operational readiness
Green, continuous light	Yellow, continuous light	Light path free
Green, flashing	Yellow, flashing	Teach event active

### **Reflectors & reflective tapes**

	Part no.	Designation	Operating range/ Operating range limit	Description
	50143109	BT ARH 46C.DL	0.55 1.5 m 0.55 1.5 m	Type of article: Alignment aid for fast and reproducible alignment of RK46C.DL above the conveyor belt. For a reliable operation, the RK46C.DL should always be aligned with this alignment aid
	50108300	REF 4-A-50x50	0.55 1.5 m 0.55 1.5 m	Design: Rectangular Reflective surface: 50 mm x 50 mm Material: Plastic Chemical designation of the material: PMMA Fastening: Self-adhesive
	50022816	TKS 100X100	0.55 1.5 m 0.55 1.5 m	Design: Rectangular Reflective surface: 96 mm x 96 mm Triple reflector size: 4 mm Material: Plastic Base material: Plastic Chemical designation of the material: PMMA8N Fastening: Through-hole mounting, Adhesive
D	50109257	TKS 40x60.1	0.55 1.5 m 0.55 1.5 m	Design: Rectangular Reflective surface: 37 mm x 56 mm Triple reflector size: 2.3 mm Material: Plastic Base material: Plastic Chemical designation of the material: PMMA8N Fastening: Through-hole mounting, Adhesive
	50022814	TKS 50X50	0.55 1.5 m 0.55 1.5 m	Design: Rectangular Reflective surface: 47 mm x 48 mm Triple reflector size: 4 mm Material: Plastic Base material: Plastic Chemical designation of the material: PMMA8N Fastening: Through-hole mounting, Adhesive

## Part no.: 50143107 – RK46C.DL3/4P-M12 – Unpolarized retro-reflective

#### Part number code

Part designation: AAA46CdEE.GGH/iJ-K

AAA46C	Operating principle / construction: HT46C: diffuse reflection sensor with background suppression LS46C: throughbeam photoelectric sensor transmitter LE46C: throughbeam photoelectric sensor receiver PRK46C: retro-reflective photoelectric sensor with polarization filter RK46C: retro-reflective photoelectric sensor
d	Light type: n/a: red light l: infrared light
EE	Light source: n/a: LED L1: laser class 1 L2: laser class 2
GG	Equipment:     n/a: standard     1: 270° potentiometer     8: activation input (activation with high signal)     01: diffuse reflection sensor with background suppression (HT): HG tape (HighGain tape) is not detected from a distance of 900 mm with a set operating range of ≤ 450 mm (diffuse reflection: 6%, black)     D: depolarizing media     E: diffuse reflection sensor with background suppression (HT): optimized for dusty environments     SL: diffuse reflection sensor with background suppression (HT): slit diaphragm 25 mm x 3 mm     P: throughbeam photoelectric sensor receiver (LE): edge filter for parallel operation     XL: extra long light spot     L: Light-band
Н	Operating range adjustment & version: n/a with diffuse reflection sensor with background suppression (HT): range adjustment via mechanical adjusting spindle n/a with retro-reflective photoelectric sensors (PRK): operating range not adjustable 1: retro-reflective photoelectric sensors (PRK/RK): sensitivity adjustment via potentiometer 3: teach-in via button P2: resolution 2 mm
i	Switching output/function OUT 1/IN: Pin 4 or black conductor: 2: NPN transistor output, light switching N: NPN transistor output, dark switching 4: PNP transistor output, light switching P: PNP transistor output, dark switching L: IO-Link interface (SIO mode: PNP light switching, NPN dark switching)
J	Switching output / function OUT 2/IN: pin 2 or white conductor: 2: NPN transistor output, light switching N: NPN transistor output, dark switching 4: PNP transistor output, light switching P: PNP transistor output, dark switching 8: activation input (activation with high signal) 9: deactivation input (deactivation with high signal) W: warning output X: pin not used

Note

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

#### Notes

O	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.				

#### Part no.: 50143107 – RK46C.DL3/4P-M12 – Unpolarized retro-reflective

#### 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)
- Light source: Average life expectancy 100,000 h at an ambient temperature of 25 °C
- Rating voltage 50 V
- Detection range: Depending on the object size and the set sensor sensitivity
- Temperature compensation ±15°C

### Accessories

### Connection technology - Connection cables

Part no.	Designation	Article	Description
50130652	KD U-M12-4A- V1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC
50130690	KD U-M12-4W- V1-050	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

## Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
E 13	50105315	BT 46	Mounting device	Design of mounting device: Angle, L-shape Fastening, at system: Through-hole mounting Mounting bracket, at device: Screw type Type of mounting device: Rigid Material: Metal

## Mounting technology - Rod mounts

	Part no.	Designation	Article	Description
<b>.</b>	50117252	BTU 300M-D12		Contains: 2x M4 x 25 screw, 2x M4 x 20 screw, 4x position washers Design of mounting device: Mounting system Fastening, at system: For 12 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type, Suited for M4 screws Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal

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## Part no.: 50143107 – RK46C.DL3/4P-M12 – Unpolarized retro-reflective

	Part no.	Designation	Article	Description
10	50128380	BTU 460M-D12	Mounting system	Design of mounting device: Mounting system Fastening, at system: For 12 mm rod Mounting bracket, at device: Screw type Type of mounting device: Adjustable, Turning, 360° Material: Metal

## Standard reflectors

Part no.	Designation	Article	Description
50143109	BT ARH 46C.DL	Alignment aid	Type of article: Alignment aid for fast and reproducible alignment of RK46C.DL above the conveyor belt. For a reliable operation, the RK46C.DL should always be aligned with this alignment aid
50109257	TKS 40x60.1	Reflector	Design: Rectangular Reflective surface: 37 mm x 56 mm Triple reflector size: 2.3 mm Material: Plastic Base material: Plastic Chemical designation of the material: PMMA8N Fastening: Through-hole mounting, Adhesive
50022814	TKS 50X50	Reflector	Design: Rectangular Reflective surface: 47 mm x 48 mm Triple reflector size: 4 mm Material: Plastic Base material: Plastic Chemical designation of the material: PMMA8N Fastening: Through-hole mounting, Adhesive

Note

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