

Technical data sheet Throughbeam photoelectric sensor receiver Part no.: 50147923 LE25CI.XR1/2N



Leuze electronic GmbH + Co. KG

info@leuze.com • www.leuze.com changes The Sensor People In der Braike 1, D-73277 Owen/Germany Phone: +49 7021 573-0 • Fax: +49 7021 573-199 eng • 2025-07-25

We reserve the right to make technical

Technical data

Wire cross section

Leuze

Basic data

Operating principle Throughbeam principle Device type Receiver Application Detection of products in bag packaging Operating range see transmitter Electrical data Polarity reversal protection Short circuit protected Short circuit protected Performance data 0 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Number of digital switching outputs Type Digital switching output Vitage type DC Switching outputs 100 mA Switching current, max. 100 mA Switching output 1 Switching current, max. Switching output 1 Switching element Switching output 2 Switching element Switching output 2 Switching output 2 Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms	Basic data			
Device type Receiver Application Detection of products in bag packaging Operating range see transmitter Electrical data Polarity reversal protection Short circuit protected Performance data Supply voltage U _B Supply voltage U _B 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Type Number of digital switching outputs 2 Piece(s) Switching outputs Type Type Digital switching output Voltage type DC Switching output 1 Switching output Switching output 1 Switching output 1 Switching output 1 Switching output 2 Switching output 2 Switching Switching output 2 Switching output 3 Switching output 2 Switching output 4 Switching output 2 Switching Switching output 2 Switching Switching principle Dark switching Switching requency 100 Hz	Series	25C		
Application Detection of products in bag packaging Optical data Operating range see transmitter Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage Ug 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From Ug Open-circuit current Open-circuit current 0 20 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Digital switching output Open-circuit current, max. 100 mA Switching outputs Switching output Institution (NPN) Institution (NPN) Switching output 1 Switching output 1 Switching output 1 Institution (NPN) Switching output 2 Switching output 2 Switching output 2 Institution (NPN) Switching principle Dark switching Institution (NPN) Institution (NPN) Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Function Signal OUT Voltage supply Type of connections 1 Piece(s) Cable length 2,000 mm <th>Operating principle</th> <th>Throughbeam principle</th>	Operating principle	Throughbeam principle		
Optical data Operating range see transmitter Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage U _B 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Number of digital switching outputs Type Digital switching output Voltage type DC Switching outputs Type Type Digital switching output Voltage type DC Switching output 1 Switching output 1 Switching output 1 Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Function Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR	Device type	Receiver		
Operating range see transmitter Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage UB 10 30 V, DC, Incl. residual ripple Residual ripple 0 30 V, DC, Incl. residual ripple Open-circuit current 0 30 V, DC, Incl. residual ripple Open-circuit current 0 30 V, DC, Incl. residual ripple Open-circuit current 0 30 V, DC, Incl. residual ripple Open-circuit current 0 30 V, DC, Incl. residual ripple Open-circuit current 0 20 mA Outputs Number of digital switching outputs Type Digital switching output Voltage type DC Switching outputs 100 mA Switching output 1 Switching output 1 Switching output 1 Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Function Function 1	Application	Detection of products in bag packaging		
Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage U _B 1030 V, DC, Incl. residual ripple Residual ripple 015 %, From U _B Open-circuit current 020 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Digital switching output Voltage type DC Switching output 1 Switching output 1 Switching output 1 Switching output 2 Switching element Transistor, NPN Switching element Transistor, NPN Switching element Switching element Transistor, NPN Switching requency Number of connections Connection Number of connections 1 Piece(s) Connection Number of connections 1 Piece(s) Connection Signal OUT Voltage supply Type of connection Shathing material PUR Cable color Black	Optical data			
Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage U _B 1030 V, DC, Incl. residual ripple Residual ripple 015 %, From U _B Open-circuit current 020 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching outputage high: 2(U _B -2V) Iow: ≤ 2 V Switching output 1 Switching output 1 Switching element Transistor, NPN Switching output 2 Switching output 2 Switching output 2 Switching element Transistor, NPN Switching element Transistor, NPN Switching output 2 Switching output 2 Switching output 2 Switching output 3 Switching voltage Dark switching Switching output 4 Switching output 5 Switching output 6 Switching output 7 Switching output 7 Switching output 7 Switching output 7 Switching output 9 Switching output 9 Switching output 9 Switching output 9 Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection Number of connections 1 Piece(s) Connection 1 Function 1 Function 2 Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm	Operating range	see transmitter		
Short circuit protected Performance data Supply voltage U _B 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Number of digital switching outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Type Digital switching output Voltage type DC Switching outputs 100 mA Switching output 1 Switching output 1 Switching output 1 Switching element Switching output 2 Switching output 2 Switching output 2 Switching element Switching principle Light switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Function Function 1 Voltage supply Type of connections 1 Piece(s) Cable length 2,000 mm Sheathing material PUR Cable color Black <th>Electrical data</th> <th></th>	Electrical data			
Performance data Supply voltage U _B 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Number of digital switching outputs Number of digital switching outputs 2 Piece(s) Switching outputs Digital switching output Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching output 1 Switching principle Light switching Switching output 2 Switching Switching principle Dark switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Voltage supply Function Signal OUT Voltage supply Yottage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color	Protective circuit	Polarity reversal protection		
Supply voltage UB 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From UB Open-circuit current 0 20 mA Outputs Number of digital switching outputs Number of digital switching outputs 2 Piece(s) Switching outputs DC Switching current, max. 100 mA Switching outputs high: >(UB'2V) Switching output 1 switching output 2 Switching output 2 Switching output 2 Switching output 2 switching Switching principle Light switching Switching principle Dark switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Voltage supply Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black		Short circuit protected		
Supply voltage UB 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From UB Open-circuit current 0 20 mA Outputs Number of digital switching outputs Number of digital switching outputs 2 Piece(s) Switching outputs DC Switching current, max. 100 mA Switching outputs high: >(UB'2V) Switching output 1 switching output 2 Switching output 2 Switching output 2 Switching output 2 switching Switching principle Light switching Switching principle Dark switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Voltage supply Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Residual ripple 0 15 %, From U _B Open-circuit current 0 20 mA Outputs Number of digital switching outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching element Switching output 2 Switching output 2 Switching output 2 Switching element Switching principle Dark switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Function Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR Cable color Black	Performance data			
Open-circuit current 0 20 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching output 2 Switching element Transistor, NPN Switching output 2 Switching output 2 Switching element Switching renciple Do Hz Do Hz Response time 5 ms Seadoness Readiness delay 300 ms Connection 1 Function Signal OUT Voltage supply Type of connection Cable Cable color	Supply voltage U _B	10 30 V, DC, Incl. residual ripple		
Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Type Digital switching output Ype Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching element Switching output 2 Switching element Switching output 2 Switching element Switching principle Light switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Voltage supply Function Signal OUT Voltage supply Yoltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Residual ripple	0 15 %, From U _B		
Number of digital switching outputs 2 Piece(s) Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching element Switching output 1 Transistor, NPN Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching principle Dark switching Switching requency 100 Hz Readiness delay 300 ms Connection 1 Function Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR Cable color Black	Open-circuit current	0 20 mA		
Number of digital switching outputs 2 Piece(s) Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching output 1 Switching output 1 Switching output 1 Switching element Switching output 1 Transistor, NPN Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching principle Dark switching Switching requency 100 Hz Readiness delay 300 ms Connection 1 Function Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR Cable color Black				
Switching outputs Digital switching output Type Digital switching output Voltage type DC Switching current, max. 100 mA Switching voltage high: ≥(U _B -2V) low: ≤ 2 V Switching output 1 Switching output 1 Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching output 2 Switching principle Dark switching Switching principle Dark switching Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Function Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR Cable color Black				
TypeDigital switching outputVoltage typeDCSwitching current, max.100 mASwitching voltagehigh: $\geq (U_g \cdot 2V)$ low: $\leq 2 V$ Switching output 1 Switching elementTransistor, NPNSwitching output 2 Switching elementLight switchingSwitching output 2 Switching elementTransistor, NPNSwitching output 2 Switching elementTransistor, NPNSwitching output 2 Switching elementTransistor, NPNSwitching requencyDor HzSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)FunctionSignal OUT Voltage supplyType of connectionCableCable length2,000 mmSheathing materialPUR Cable colorCable colorBlack	Number of digital switching outputs	2 Piece(s)		
TypeDigital switching outputVoltage typeDCSwitching current, max.100 mASwitching voltagehigh: $\geq (U_g \cdot 2V)$ low: $\leq 2 V$ Switching output 1 Switching elementTransistor, NPNSwitching output 2 Switching elementLight switchingSwitching output 2 Switching elementTransistor, NPNSwitching output 2 Switching elementTransistor, NPNSwitching output 2 Switching elementTransistor, NPNSwitching requencyDor HzSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)FunctionSignal OUT Voltage supplyType of connectionCableCable length2,000 mmSheathing materialPUR Cable colorCable colorBlack	Switching outputs			
Voltage type DC Switching current, max. 100 mA Switching voltage high: ≥(Ug-2V) low: ≤ 2 V Switching output 1 Switching output 2 Switching element Transistor, NPN Switching principle Light switching Switching principle Dark switching Switching requency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Function Signal OUT Voltage supply Type of connection Cable length 2,000 mm Sheathing material PUR Cable color Black	. .	Digital switching output		
Switching current, max. 100 mA Switching voltage high: ≥(Ug-2V) low: ≤ 2 V Switching output 1 Switching element Transistor, NPN Switching output 2 Switching element Transistor, NPN Switching output 2 Switching element Transistor, NPN Switching element Transistor, NPN Switching realement Transistor, NPN Switching frequency Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection Number of connections 1 Piece(s) Connection 1 Function Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Switching voltage high: ≥(Ug-2V) low: ≤ 2 V Switching output 1 Switching element Transistor, NPN Switching output 2 Switching element Transistor, NPN Switching output 2 Switching element Transistor, NPN Switching principle Dark switching Time behavior 100 Hz Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Voltage supply Function Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Iow: ≤ 2 V Switching output 1 Switching element Transistor, NPN Switching principle Light switching Switching output 2 Switching element Switching principle Dark switching Switching principle Dark switching Time behavior 100 Hz Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Voltage supply Function Cable Signal OUT Voltage supply Voltage supply 2,000 mm Sheathing material PUR Cable color Black				
Switching output 1 Switching element Transistor, NPN Switching principle Light switching Switching output 2 Switching element Switching principle Dark switching Time behavior 100 Hz Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Connection 1 Voltage supply Function Signal OUT Yoltage supply Yoltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Switching voltage	_		
Switching elementTransistor, NPNSwitching principleLight switchingSwitching output 2 Switching elementTransistor, NPNSwitching principleDark switchingSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)Number of connections1 Piece(s)FunctionSignal OUT Voltage supplyType of connectionCableSheathing materialPUR Cable colorBlackBlack				
Switching elementTransistor, NPNSwitching principleLight switchingSwitching output 2 Switching elementTransistor, NPNSwitching principleDark switchingSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)Number of connections1 Piece(s)FunctionSignal OUT Voltage supplyType of connectionCableSheathing materialPUR Cable colorBlackBlack	Switching output 1			
Switching output 2 Switching elementTransistor, NPNSwitching principleDark switchingTime behaviorDark switchingSwitching frequency100 HzResponse time5 msReadiness delay300 msConnectionI Piece(s)Number of connections1 Piece(s)Connection 1Signal OUT Voltage supplyType of connectionCableCable length2,000 mmSheathing materialPUR Black	e .	Transistor, NPN		
Switching elementTransistor, NPNSwitching principleDark switchingTime behaviorSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)Number of connections1 Piece(s)Connection 1Signal OUTFunctionSignal OUTType of connectionCableCable length2,000 mmSheathing materialPURCable colorBlack	Switching principle	Light switching		
Switching elementTransistor, NPNSwitching principleDark switchingTime behaviorSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)Number of connections1 Piece(s)Connection 1Signal OUTFunctionSignal OUTType of connectionCableCable length2,000 mmSheathing materialPURCable colorBlack		-		
Switching principleDark switchingTime behaviorSwitching frequency100 HzResponse time5 msReadiness delay300 msConnection1 Piece(s)Number of connections1 Piece(s)Connection 1Signal OUT Voltage supplyFunctionSignal OUT CableType of connectionCableSheathing materialPUR Black	Switching output 2			
Time behavior Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection 300 ms Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Voltage supply Type of connection Cable Sheathing material PUR Cable color Black	Switching element	Transistor, NPN		
Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection I Piece(s) Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Switching principle	Dark switching		
Switching frequency 100 Hz Response time 5 ms Readiness delay 300 ms Connection I Piece(s) Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Response time 5 ms Readiness delay 300 ms Connection 1 Piece(s) Number of connections 1 Piece(s) Connection 1 Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	lime benavior			
Readiness delay 300 ms Connection I Piece(s) Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Switching frequency	100 Hz		
Connection 1 Piece(s) Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Response time	5 ms		
Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Readiness delay	300 ms		
Number of connections 1 Piece(s) Connection 1 Signal OUT Function Signal OUT Voltage supply Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Connection 1 Function Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Connection			
Function Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Number of connections	1 Piece(s)		
Function Signal OUT Voltage supply Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black				
Type of connection Cable Cable length 2,000 mm Sheathing material PUR Cable color Black	Connection 1			
Type of connectionCableCable length2,000 mmSheathing materialPURCable colorBlack	Function	Signal OUT		
Cable length2,000 mmSheathing materialPURCable colorBlack		Voltage supply		
Sheathing material PUR Cable color Black		Cable		
Cable color Black	Cable length	2,000 mm		
		PUR		
Number of conductors 4 -wire				
	Number of conductors	4 -wire		

0.2 mm²

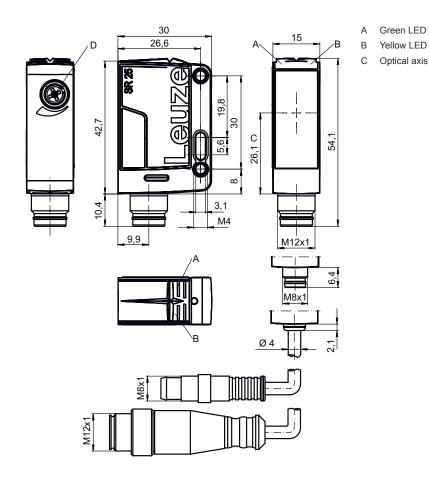
Mechanical data

Dimension (W x H x L)	15 mm x 42.7 mm x 30 mm
Housing material	Plastic
Plastic housing	ABS
Lens cover material	Plastic
Net weight	55 g
Housing color	Red
Type of fastening	Through-hole mounting with M4 thread
	Via optional mounting device
Compatibility of materials	ECOLAB
Operation and display	
Operational controls	270° potentiometer
•	•
Function of the operational control	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
Approvals	c UL US
Standards applied	IEC 60947-5-2
Classification	
Customs tariff number	85365019
ECLASS 5.1.4	27270901
ECLASS 8.0	27270901
ECLASS 9.0	27270901
ECLASS 10.0	27270901
ECLASS 11.0	27270901
ECLASS 12.0	27270901
ECLASS 13.0	27270901
ECLASS 14.0	27270901
ECLASS 15.0	27270901
ETIM 5.0	EC002716
ETIM 6.0	EC002716
ETIM 7.0	EC002716
ETIM 8.0	EC002716
ETIM 9.0	EC002716
ETIM 10.0	EC002716
21111111010	

Dimensioned drawings



All dimensions in millimeters



Electrical connection

Connection 1

Function	Signal OUT
	Voltage supply
Type of connection	Cable
Cable length	2,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	4 -wire
Wire cross section	0.2 mm ²

Conductor color

Conductor assignment

Brown	V+
White	OUT 2
Blue	GND
Black	OUT 1

Suitable transmitters

Le	U	Ζ	e

 Part no.	Designation	Operating range Operating range limit	Description
50147917	LS25CI.XR1/XX	0 180 m 0 220 m	Application: Detection of products in bag packaging Operating range limit: 0 220 m Light source: LED, Infrared Supply voltage: DC Connection: Cable, 2,000 mm, 4 -wire Operational controls: 270° potentiometer
50147914	LS25CI.XXR/XX	0 340 m 0 400 m	Application: Detection of products in bag packaging Operating range limit: 0 400 m Light source: LED, Infrared Supply voltage: DC Connection: Cable, 2.000 mm, 4 -wire

Part number code

Part designation: AAA25C d EE-f.GGH/iJ-K

AAA25C	Operating principle / construction HT25C: Diffuse reflection sensor with background suppression PRK25C: Retro-reflective photoelectric sensor with polarization filter LS25C: Throughbeam photoelectric sensor transmitter LE25C: Throughbeam photoelectric sensor receiver DRT25C: Dynamic reference diffuse sensor
d	Light type n/a: red light l: infrared light
EE	Light source n/a: LED PP: Power PinPoint® LED L1: laser class 1 L2: laser class 2
f	Preset range (optional) n/a: operating range acc. to data sheet xxxF: Preset range [mm]
GG	Equipment A: Autocollimation principle (single lens) S: small light spot D: Detection of stretch-wrapped objects X: extended model HF: Suppression of HF illumination (LED) XL: Extra long light spot T: autocollimation principle (single lens) for highly transparent bottles without tracking TT: autocollimation principle (single lens) for highly transparent bottles with tracking F: Foreground suppression R: greater operating range SL: Slit diaphragm
н	Operating range adjustment 1: 270° potentiometer 2: multiturn potentiometer 3: teach-in via button R: greater operating range
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 X: pin not used 8: activation input (activation with high signal) L: IO-Link interface (SIO mode: PNP light switching, NPN dark switching) 6: push-pull switching output, PNP light switching, NPN dark switching G: Push-pull switching output, PNP dark switching, NPN light switching

Part number code

Leuze

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 W: warning output X: pin not used 6: push-pull switching output, PNP light switching, NPN dark switching T: teach-in via cable G: Push-pull switching output, PNP dark switching, NPN light switching 8: activation input (activation with high signal)
к	Electrical connection n/a: cable, standard length 2000 mm, 4-wire 200-M12: cable, length 200 mm with M12 connector, 4-pin, axial (plug) M8: M8 connector, 4-pin (plug) M12: M12 connector, 4-pin (plug) 200-M8: cable, length 200 mm with M8 connector, 4-pin, axial (plug) M8.1: Snap-in, M8 connector, 4-pin (plug)

	Note
6	∜ A list with all available device types can be found on the Leuze 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:

 $\$ Only for use in "class 2" circuits

Further information

Sum of the output currents for both outputs 100 mA

Accessories

Mounting technology - Mounting brackets

Part no.	Designation	Article	Description
50118543	BT 300M.5	Mounting bracket	Design of mounting device: Angle, L-shape Fastening, at system: Through-hole mounting Mounting bracket, at device: Screw type, Suited for M4 screws Type of mounting device: Adjustable Material: Stainless steel

Accessories



Mounting technology - Rod mounts

	Part no.	Designation	Article	Description
a s	50117829	BTP 200M-D12	Mounting system	Design of mounting device: Protection hood Fastening, at system: For 12 mm rod Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal
f:	50117252	BTU 300M-D12	Mounting system	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

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