



the sensor people





Part no.: 50140152 LE412B/PX-M12 Throughbeam photoelectric sensor receiver







Figure can vary

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Part no.: 50140152 - LE412B/PX-M12 - Throughbeam photoelectric sensor

Technical data

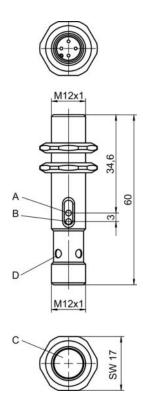


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Housing color	Silver	
Operation and display		
Type of display	LED	
Number of LEDs	2 Piece(s)	
Environmental data		
Ambient temperature, operation	-25 55 °C	
Certifications		
Degree of protection	IP 67	
Protection class	III	
Certifications	c UL US	
Standards applied	IEC 60947-5-2	
Classification		
Customs tariff number	85365019	
eCl@ss 8.0	27270901	
eCl@ss 9.0	27270901	
ETIM 5.0	EC002716	

Dimensioned drawings

All dimensions in millimeters



A Green LED B Yellow LED C Optical axis



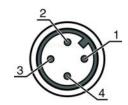
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D Yellow LED

Electrical connection

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

Pin	Pin assignment
1	V+
2	n.c.
3	GND
4	OUT 1



Operation and display

LEDs

LED	Display	Meaning
1	Green, continuous light	Function reserve
2	Yellow, continuous light	Switching output/switching state active

Suitable transmitters

	Part no.	Designation	Article	Description
ELES	50140150	LS412B/DX-M12	photoelectric sensor transmitter	Special design: Deactivation input Light source: LED, Red Supply voltage: DC Deactivation inputs: 1 Piece(s) Connection: Connector, M12, Metal, 4 -pin

Part number code

Part designation: AAA412BGG.H/ii-K

AAA412B	Operating principle / construction: LS412B: throughbeam photoelectric sensor transmitter LE412B: throughbeam photoelectric sensor receiver ET412B: energetic diffuse reflection sensor PRK412B: retro-reflective photoelectric sensor with polarization filter
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GG	Light source: n/a: LED L2: laser class 2
Н	Operating range adjustment: 1: 270° potentiometer
ii	Switching output / function / OUT1OUT2 (OUT1 = pin 4, OUT2 = pin 2): 2: NPN transistor output, light switching N: NPN transistor output, dark switching 4: PNP transistor output, light switching P: PNP transistor output, dark switching D: deactivation input (deactivation with low signal) X: pin not used
K	Electrical connection: n/a: cable, standard length 2000 mm, 3-wire M12: M12 connector, 4-pin (plug)

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.

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
50113549	BT D12M.5	Mounting bracket	Diameter, inner: 12 mm 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: Stainless steel

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