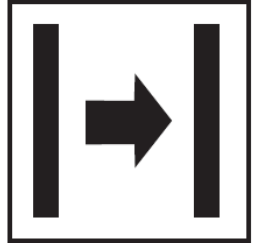


Application Note Substitute

Series: 618



Through beam photoelectric sensors



Remarks:

A light axis consists of a transmitter and a receiver.

If you substitute only the transmitter or the receiver please only substitute the sensor with exactly the same part no.

If the original sensor is discontinued, please exchange the whole axis (transmitter and receiver).

Substitute Series 618

Leuze

Mechanical adaption



OLD



NEW



Series 618:

Thread size: M18 x 1 mm

Dimension (Ø x L): 18 mm x 60 mm

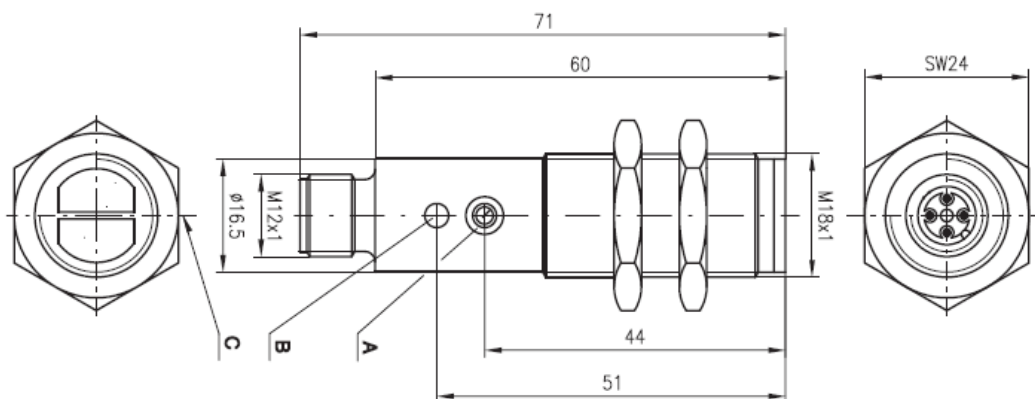
Housing material:

Metal (Nickel-plated brass)



Ambient temperature (operation):

-25°C ... 55 °C



Series 328:

Thread size: M18 x 1 mm

Dimension (Ø x L): 18 mm x 46 mm

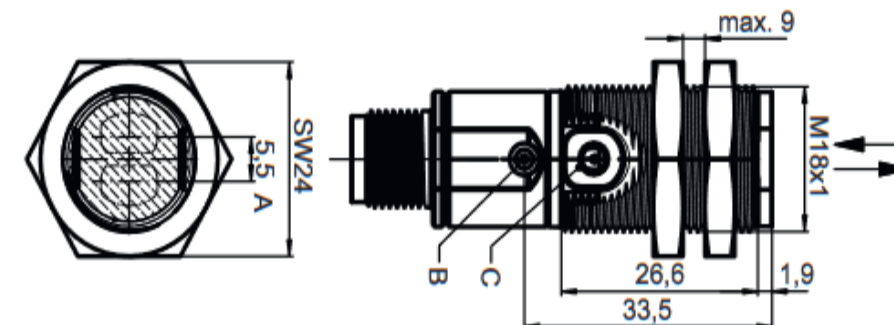
Housing material:

Stainless Steel (V2A) + Plastic (ABS)



Ambient temperature (operation):

-40°C ... 60 °C



Substitute Series 618

Overview Article List

Energetic diffuse sensors

Part number	Part reference	Operating principle	Switching element + switching principle	Type of connection
50038449	RT 618/4-200-S12	Energetic diffuse sensor	PNP light/dark switching	Connector M12

Polarized retro-reflective photoelectric sensors

Part number	Part reference	Operating principle	Switching element + switching principle	Type of connection
50038450	PRK 618/4-S12	Polarized retro-reflective photoelectric sensor	PNP light/dark switching	Connector M12


Throughbeam photoelectric sensors

Part number	Part reference	Operating principle	Switching element + switching principle	Type of connection
50038451	SET LS 618/4-S12	SET: Transmitter + Receiver	PNP light/dark switching	Connector M12


Substitute Series 618

Leuze

Overview Substitute List

 Series 618		
Part number	Part reference	Operating principle
50038450	PRK 618/4-S12	Polarized retro-reflective photoelectric sensor
50038449	RT 618/4-200-S12	Energetic diffuse sensor
50038451	SET LS 618/4-S12	SET: Transmitter + Receiver (Light source Infrared)



 Series 328		
Part number	Part reference	Differences compared to Series 618
50122695	PRK328.3/4P-M12	<ul style="list-style-type: none"> Teach-Button instead of Potentiometer 2 Outputs (OUT1 Light Switching, OUT2 Dark switching) instead of 1 Output and 1 Input for L/D Switching
50122726	ET328.3/4P-M12	<ul style="list-style-type: none"> Teach-Button instead of Potentiometer 2 Outputs (OUT1 Light Switching, OUT2 Dark switching) instead of 1 Output and 1 Input for L/D Switching Red Light instead of Infrared Light Different operating range
50122702 + 50122709 OR 50144556 + 50122709	LS328/9D-M12 (Redlight) OR LS328I/9D-200-M12 (Infrared) + LE328/4P-M12	<ul style="list-style-type: none"> No Potentiometer 2 Outputs (OUT1 Light Switching, OUT2 Dark switching) instead of 1 Output and 1 Input for L/D Switching Red Light instead of Infrared (only valid for 50122702)

Certifications of SR618:



Certifications of SR328:



Substitute Series 618

Leuze

Electrical connection

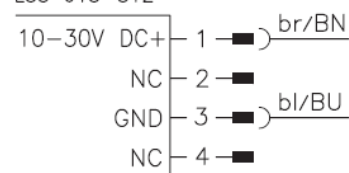
PNP sensor types



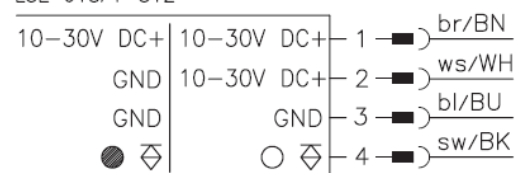
OLD:

- 1 Output on Pin 4
- 1 Input for Light/Dark switching on Pin 2

LSS 618-S12



LSE 618/4-S12

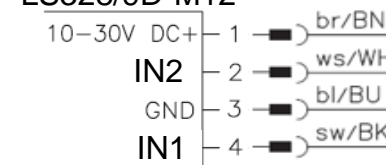


NEW:

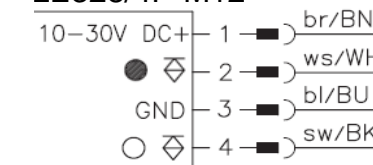
- 1 Output on Pin 4 (Light switching)
- 1 Output on Pin 2 (Dark switching)

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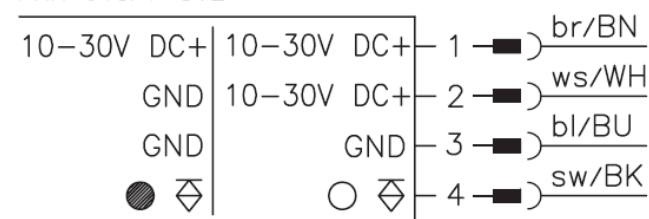
LS328/9D-M12



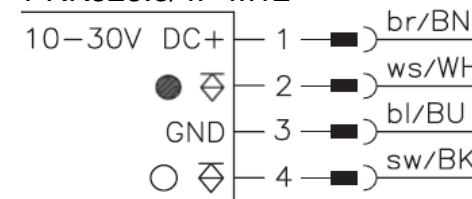
LE328/4P-M12



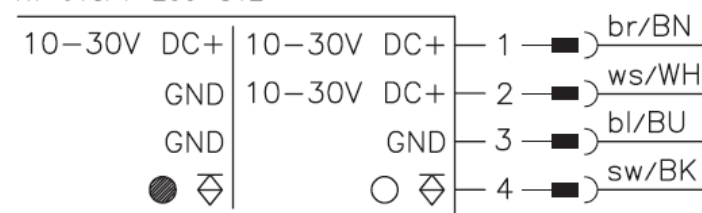
PRK 618/4-S12



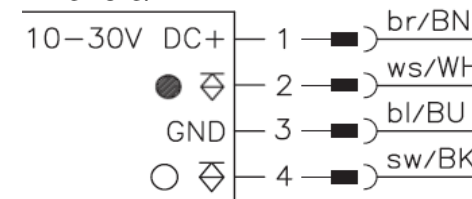
PRK328.3/4P-M12



RT 618/4-200-S12



ET328.3/4P-M12



Note:

The application note should be read as a recommendation. Additional environmental influences occurring in the real applications must be taken into account before the integration.

Our application experts will assist you during commissioning.

Any questions?



Technical Hotline:

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www.leuze.com under „Contact & Support“



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