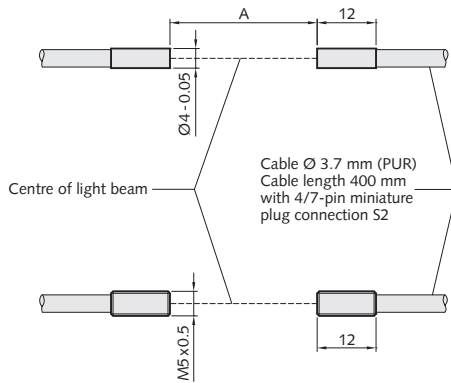


PG-S2 series

Split infrared light barriers – Round housing with separate amplifier S2



measure. analyze. innovate.



Application

- Feed control
- Position control
- Counting parts

Specifications

Repeating accuracy	< 0.02 mm
Temperature range	0°C – 60°C
EMC according to 2014/30/EU	EN 61000... c€
System of protection (for plug-in amplifier types S2-...)	IP 64

Resolution

Distance A [mm]:	25	90	180
Part diameter [mm]:			
with chopped light amplifier, amplifier level I	> 1.0	> 0.5	–
with chopped light amplifier, amplifier level II	> 1.2	> 0.8	> 0.5
with pulse amplifier	0.1	0.1	0.5

Article

Order No.

Article	Order No.
Split light barrier, separate transmitter and receiver (without amplifier):	
PG-4-S2	6404-00000-0000
PG-4-S2 (S)	6404-40000-0000
PG-4-S2 (E)	6404-50000-0000
PG-M5-S2	6410-00000-0000
PG-M5-S2 (S)	6410-40000-0000
PG-M5-S2 (E)	6410-50000-0000

Accessories (more accessories, see last pages)

Article	Order No.
Amplifier 4-pin M12:	
S2-W-4-P2	2000-00008-4064
S2-D-4-P	2000-00008-4024
Amplifier 5-pin M16:	
S2-W-5-P2	2000-00008-0064
S2-D-5-P	2000-00008-0024
Mounting block:	
AS2	2300-00000-0002
Extension cable:	
VK-S2/7 (1 m)	2115-00001-0707
VK-S2/4 (1 m)	2115-00001-0404

Recommendations/instructions for the use of the dual-level chopped light amplifier:

Amplifier level I → High resolution:

Default setting for all split-type versions with small distances between transmitter and receiver, i.e. for $A_{max} < 50\%$!

Amplifier level II → High operational reliability:

Default setting for all split-type versions when used in oil mist surroundings or with large distances between transmitter and receiver ($A_{max} > 50\%$).

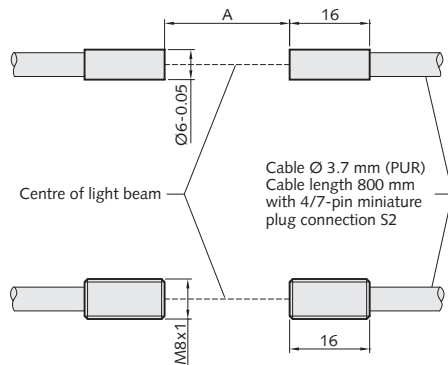
The operational reliability is twice the level of amplifier level I.

PG-S2 series

Split infrared light barriers – Round housing with separate amplifier S2



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Application

Feed control
Position control
Counting parts

Specifications

Repeating accuracy	< 0.02 mm
Temperature range	0°C – 60°C
EMC according to 2014/30/EU	EN 61000... c€
System of protection (for plug-in amplifier types S2-...)	IP 64

Resolution

Distance A [mm]:	100	400	1000
Part diameter [mm]:			
with chopped light amplifier, amplifier level I	> 1.8	> 1.2	–
with chopped light amplifier, amplifier level II	> 2.5	> 1.5	> 1.0
with pulse amplifier	0.2	0.2	0.2

Article

Order No.

Article	Order No.
Split light barrier, separate transmitter and receiver (without amplifier):	
PG-6-S2	6414-00000-0000
PG-6-S2 (S)	6414-40000-0000
PG-6-S2 (E)	6414-50000-0000
PG-M8-S2	6418-00000-0000
PG-M8-S2 (S)	6418-40000-0000
PG-M8-S2 (E)	6418-50000-0000

Recommendations/instructions for the use of the dual-level chopped light amplifier:

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Amplifier level II → High operational reliability:

Default setting for all split-type versions when used in oil mist surroundings or with large distances between transmitter and receiver ($A_{max} > 50\%$).

The operational reliability is twice the level of amplifier level I.

Accessories (more accessories, see last pages)

Article	Order No.
Amplifier 4-pin M12:	
S2-W-4-P2	2000-00008-4064
S2-D-4-P	2000-00008-4024
Amplifier 5-pin M16:	
S2-W-5-P2	2000-00008-0064
S2-D-5-P	2000-00008-0024
Mounting block:	
AS2	2300-00000-0002
Extension cable:	
VK-S2/7 (1 m)	2115-00001-0707
VK-S2/4 (1 m)	2115-00001-0404