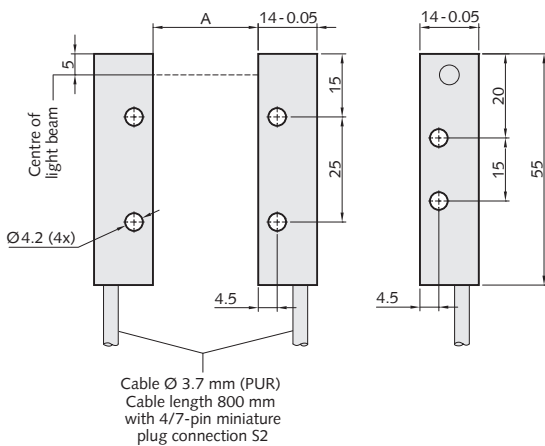


PG-S2 series

Split infrared light barriers – flat housing
F1 with separate amplifier S2

KISTLER

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
General tolerance of the housing	DIN ISO 2768-m

Resolution

Distance A [mm]:	100	400	1,000
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.

Split light barrier, separate transmitter and receiver (without amplifier):

PG-F1-S2	6424-00000-0000
PG-F1-S2 (S)	6424-40000-0000
PG-F1-S2 (E)	6424-50000-0000

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.

Accessories (more accessories, see last pages)

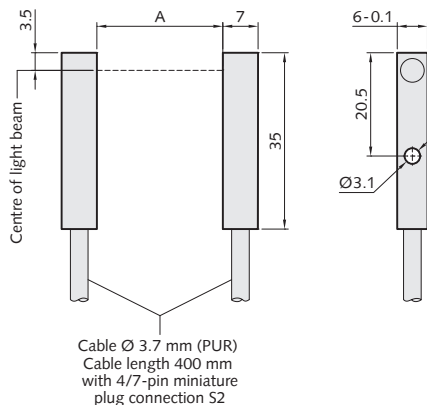
Article	Order No.
Amplifier 4-pin M12:	
S2-W-4-P2	2000-00008-4064
S2-D-4-P	2000-00008-4024
Amplifier 5-pin M16:	
S2-W-5-P2	2000-00008-0064
S2-D-5-P	2000-00008-0024
Mounting block:	
AS2	2300-00000-0002
Extension cable:	
VK-S2/7 (1 m)	2115-00001-0707
VK-S2/4 (1 m)	2115-00001-0404

PG-S2 series

Split infrared light barriers – flat housing
F2 with separate amplifier S2

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Application

Feed control
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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
General tolerance of the housing	DIN ISO 2768-m

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-F2-S2	6434-00000-0000
PG-F2-S2 (S)	6434-40000-0000
PG-F2-S2 (E)	6434-50000-0000

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 $A_{max} < 50\%$!

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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.

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Amplifier 5-pin M16:	
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Mounting block:	
AS2	2300-00000-0002
Extension cable:	
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