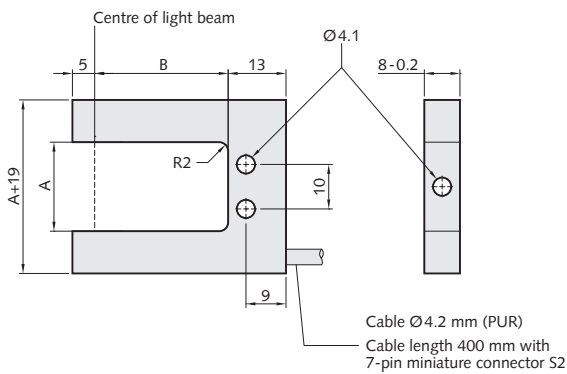


PS-S2 8 mm series

Single-beam infrared fork light barriers with separate amplifier S2



measure. analyze. innovate.



A [mm]:	10	10	20	20	20	20	30	30	30	30	40
B [mm]:	15	30	15	30	40	60	15	30	40	60	40

Application

Feed control
Position control

Specifications

Repeating accuracy	< 0.01 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

Fork width A [mm]:	10	20	30	40
Part diameter [mm]:				
with chopped light amplifier, amplifier level I	>0.3	>0.4	>0.5	>0.8
with chopped light amplifier, amplifier level II	>0.4	>0.6	>0.8	>1.0
with pulse amplifier	0.1	0.1	0.1	0.1

Article

Order No.

Article	Order No.
Fork light barrier (without amplifier):	
PS-10-15/S2	6331-00006-0000
PS-10-30/S2	6332-00006-0000
PS-20-15/S2	6333-00006-0000
PS-20-30/S2	6334-00006-0000
PS-20-40/S2	6351-00006-0000
PS-20-60/S2	6352-00006-0000
PS-30-15/S2	6335-00006-0000
PS-30-30/S2	6336-00006-0000
PS-30-40/S2	6354-00006-0000
PS-30-60/S2	6355-00006-0000
PS-40-40/S2	6357-00006-0000

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

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

Amplifier level I → High resolution:

Default setting for all fork light barriers!

Amplifier level II → High operational reliability:

For PS-S2 series fork light barriers when used in oil mist ambience. The operational reliability is twice the level of amplifier level I.

PS-S2 8 mm series

Single-beam infrared fork light barriers with separate amplifier S2 – with cleaning nozzles



measure. analyze. innovate.



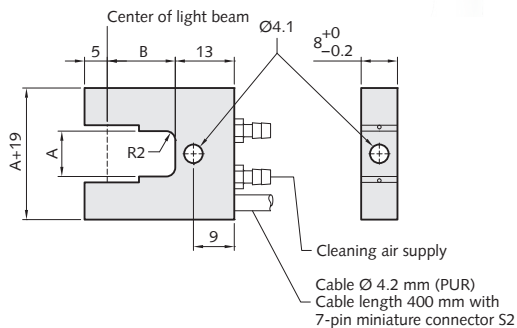
Application

Feed control
Position control

Specifications

Repeating accuracy	< 0.01 mm
Temperature range	0°C – 60°C
EMC according to 2014/30/EU	EN 61000... CEE
System of protection (for plug-in amplifier types S2-...)	IP 64
General tolerance of the housing	DIN ISO 2768-m

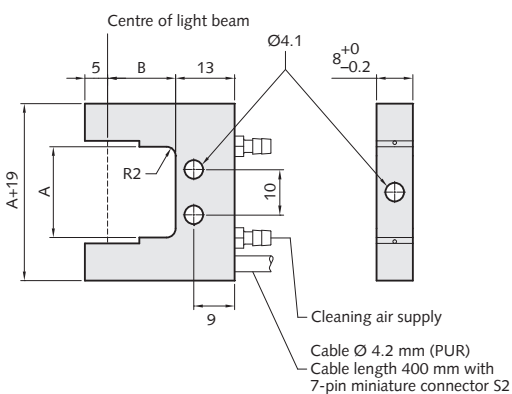
PS-10-15/R/S2 and PS-10-30/R/S2:



Resolution

Fork width A [mm]:	10	20	30	40
Part diameter [mm]:				
with chopped light amplifier, amplifier level I	>0.3	>0.4	>0.5	>0.8
with chopped light amplifier, amplifier level II	>0.4	>0.6	>0.8	>1.0
with pulse amplifier	0.1	0.1	0.1	0.1

PS-20-30/R/S2 ... PS-40-40/R/S2:



Article

Order No.

Article	Order No.
Fork light barrier (without amplifier) with cleaning nozzles:	
PS-10-15/R/S2	6331-10006-0000
PS-10-30/R/S2	6332-10006-0000
PS-20-15/R/S2	6333-10006-0000
PS-20-30/R/S2	6334-10006-0000
PS-20-40/R/S2	6351-10006-0000
PS-20-60/R/S2	6352-10006-0000
PS-30-15/R/S2	6335-10006-0000
PS-30-30/R/S2	6336-10006-0000
PS-30-40/R/S2	6354-10006-0000
PS-30-60/R/S2	6355-10006-0000
PS-40-40/R/S2	6357-10006-0000

A [mm]:	10	10	20	20	20	20	30	30	30	30	40
B [mm]:	15	30	15	30	40	60	15	30	40	60	40

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

Amplifier level I → High resolution:

Default setting for all fork light barriers!

Amplifier level II → High operational reliability:

For PS-S2 series fork light barriers when used in oil mist ambience. 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