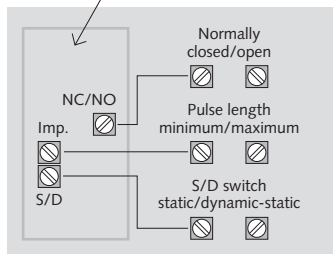
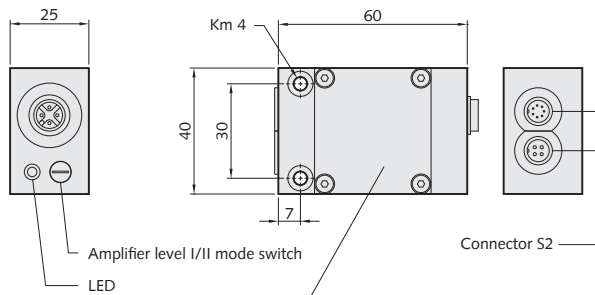


# S2-W-4-P2

Chopped light amplifier for single-beam plug-in type light barriers with S2 connector



measure. analyze. innovate.



### Application

Amplifier for all plug-in type light barriers with S2 connector

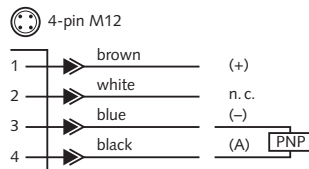
### Specifications

Circuit	Chopped light trigger
Operating voltage	12 – 24 VDC
Current consumption	max. 60 mA
Mode of operation	static/dynamic-static <sup>1)</sup>
Pulse extension	max. 100 ms
Sensitivity	2 levels : I/II
Output with LED	PNP <sup>2)</sup>
Function	normally open/closed
Load current	200 mA short-circuit proof
Repeating accuracy	see sensor type
Frequency	4 KHz
Temperature range	0°C – 60°C
EMC according to 2014/30/EU	EN 61000... c€
System of protection	IP 64

<sup>1)</sup> switchable, default setting: static

<sup>2)</sup> NPN amplifier on request

### Pin configuration



### Article

S2-W-4-P2

### Order No.

2000-00008-4064

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

#### Amplifier level I → High resolution:

Default setting for all fork light barriers as well as for split versions with small distances between transmitter and receiver.

#### Amplifier level II → High operational reliability:

Default setting for all split types in oil mist ambience or with large distances between transmitter and receiver ( $A_{max} > 50\%$ ). 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.

Connection cable:

VK-M12-5-g (5 m, straight) 2112-00005-0500

VK-M12-5-w (5 m, angled) 2112-00005-1500

Connection cable shielded (with free cable end)

for split laser light barrier PGL-8-W-S2:

VK-M12-5-g-S (2 m, straight) 2112-00902-0500

VK-M12-5-g-S (5 m, straight) 2112-00905-0500

Extension cable 4-pin M12:

VK-M12-g/M12 (2 m, straight) 2112-00002-0404

VK-M12-g/M12 (5 m, straight) 2112-00005-0404