

BPW Speed & Direction of rotation Sensor

A well-rounded affair in every respect

Wheel sensors record the rotation of the wheels. This information serves as an important control variable for numerous safety and assistance systems. With a few exceptions, **BPW** axles and suspensions can be ordered with the optional **BPW SDS** (Speed & Direction of rotation Sensor).

The brands of the BPW Group:



we think transport



BPW Speed & Direction of rotation Sensor

The Speed & Direction of rotation Sensor (SDS) with detection of rotating direction is a product developed by BPW. The SDS is also an important element of the electronic force-steering systems. The sensor signal can also be used to optimise outgoing quantity rates. The customised sensor holder protects the SDS against twisting for a maximum functional reliability.

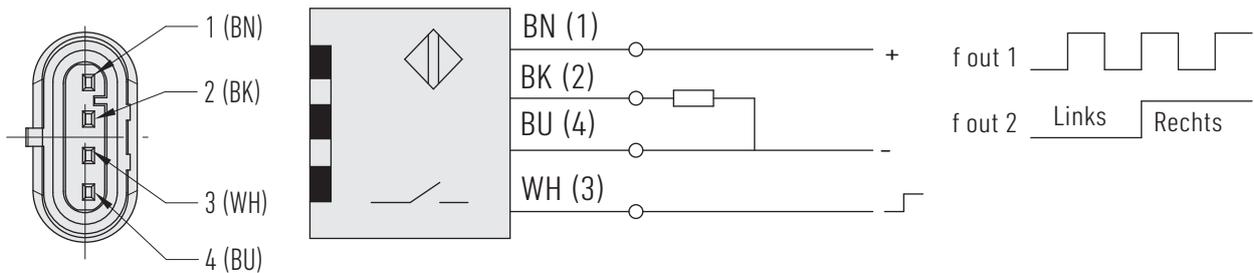
Advantages that convince

- Special holders against twisting and other mechanical impacts guarantee maximum reliability and service life
- Functionality even at low speeds (> 1 km / h)
- BPW solution without additional assembly efforts
- Digital output for a clear signal

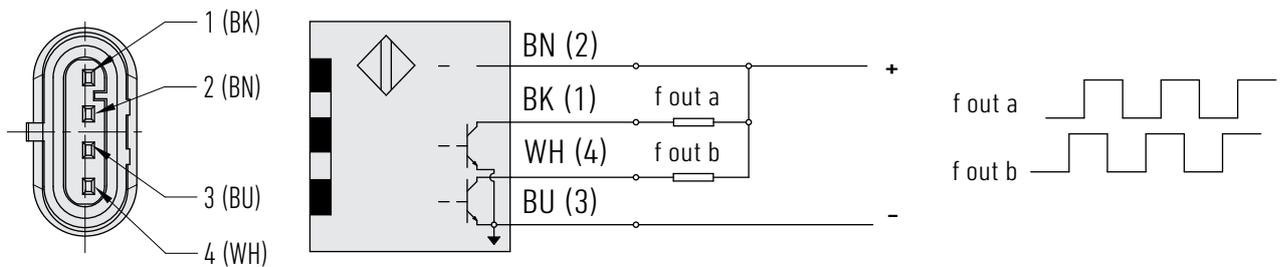
You should still know

- Separate channels for speed and rotating direction guarantee a full detection (PNP)
- Compatible with all common force steering systems

Type PNP: separate channels for speed and direction of rotation



Type NPN: Direction of rotation should be recognised by software technology



THE BPW EFFECT

100%

Functional reliability*

* special holder against twisting

	PNP	NPN
Output	4 wire PNP pulse output	4 wire NPN 2 channel with phase shift
Operating voltage	10-30 VDC	
Voltage drop	≤ 2,4 V	≤ 0,4 V
Maximum load current	200 mA	
No-load current	≤ 30 mA	
Usable switching frequency	5000 Hz	
EMC resistance	according to DIN EN 60947-5-2 2008-08	
Protection type	IP 67 according to DIN EN 60529	
Connection type	400 mm cable with Superseal 4-pin	400 mm cable with Superseal 4-pin*

* Cable marked with yellow heat-shrink tubing

BPW SDS 2020-005-EN

