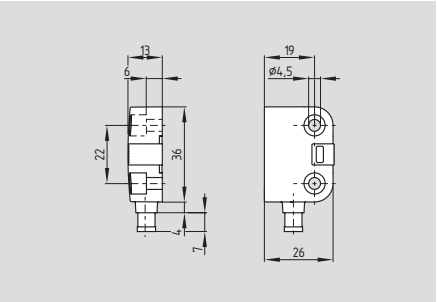
BNS 260



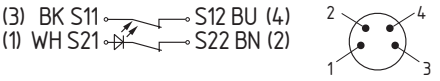
- Thermoplastic enclosure
- Coded sensor
- Actuation only possible with BPS 260
- Smallest design
- Long life, no mechanical wear
- Protection class IP 67
- Insensitive to lateral misalignment
- Concealed mounting possible
- Insensitive to soiling

Technical data

Standards:	IEC 60947-5-3, BG-GS-ET-14
Design:	rectangular
Enclosure:	glass-fibre reinforced thermoplastic
Protection class:	IP 67 to EN 60529
Connection:	Boflex cable or connector M8
Cable section of Boflex cable:	4 x 0,25 mm² with signalling contact: 6 x 0,25 mm²
Cable section of connector:	M8 x 1, 4 poles with signalling contact : M8 x 1, 6 poles
Mode of operation:	magnetic
Actuating magnet:	BPS 260, coded
Control category:	up to 4 to EN 954-1 in combination with a safety monitoring module
Classification:	up to PDF-M to IEC 60947-5-3 in combination with a safety monitoring module
S_{ao}:	5 mm
S_{ar}:	15 mm
Switching conditions indicator:	LED only for ordering suffix G
Max. switching voltage	
without LED:	max. 75 VDC
with LED:	max. 24 VDC
with connector, 6 poles:	max. 30 VDC
Max. switching current	
without LED:	max. 400 mA
with LED:	max. 10 mA
Max. switching capacity	
without LED:	max. 10 VA
with LED:	max. 240 mW
Ambient temperature:	– 25 °C … + 70 °C
Storage and transport temperature:	– 25 °C … + 70 °C
Max. switching frequency:	5 Hz
Resistance to shock:	30 g / 11 ms
Resistance to vibration:	10 … 55 Hz, amplitude 1 mm

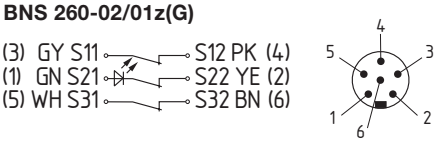
Contact variants

BNS 260-02z(G)

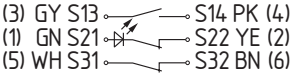


BNS 260-11z(G)

BNS 260-02/01z(G)



BNS 260-11/01z(G)



Approvals

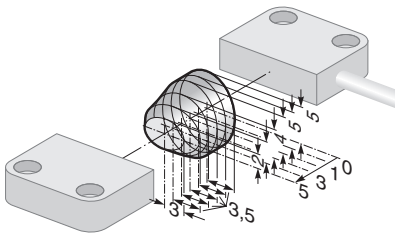
CE

Ordering details

BNS 260-①②z③-④-⑤

No.	Replace	Description
①		**Safety contacts:**
	11	1 NO / 1 NC
	02	2 NC
②		**Signalling contacts:**
		No signalling contact
	/01	1 NC
③		Without LED
	G	With LED
④		Cable
	ST	Connector
⑤	L	Left hand door
	R	Right hand door

Note



Switch on/off diagram
The actuating graph also applies to the BPS 260-2, the actuator with 90° inverted actuation.

Note

Contact symbols shown for the closed condition of the guard device.

The number in brackets indicate the PIN number of the connector.

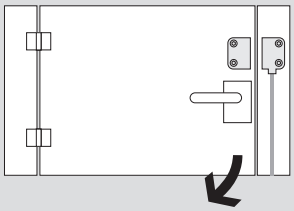
The contact configuration for versions with or without LED is identical.

Contacts S21-S22 must be integrated in the safety circuit.

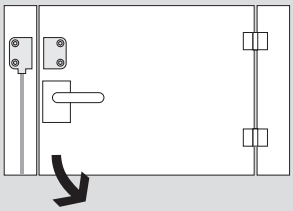
The LED is illuminated when the guard door is closed.

The actuating magnet BPS 260 must be ordered separately.

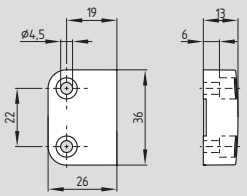
System components



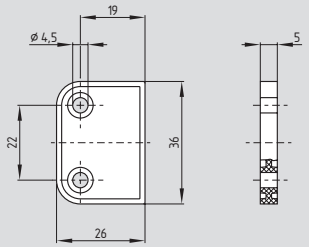
Left hand door



Right hand door



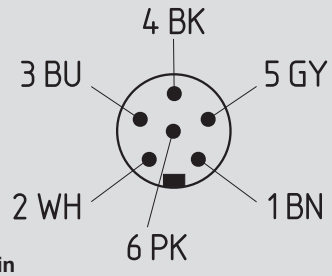
BPS 260



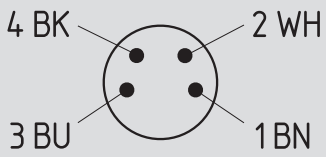
Spacer

System components

Cable with connector (female)



6-pin



4-pin

Ordering details

Left hand door **ordering suffix -L**
Right hand door **ordering suffix -R**

Actuating magnets
Actuator and sensor mounted on same fixing plane **BPS 260-1**
Actuator for 90° fixing **BPS 260-2**

Spacer **Distanzstück BNS 260**

Ordering details

Cable with connector (female)
PVC with snap fitting, **6-pin**

with straight connector,	2 m cable	**1184342**
	5 m cable	**1184343**
	10m cable	**1184344**
with angled connector,	2 m cable	**1184345**
	5 m cable	**1184346**
	10m cable	**1184347**

PVC with snap fitting , **4-pin**

with straight connector ,	2 m cable	**1184355**
	5 m cable	**1184356**
	10m cable	**1184357**
with angled connector ,	2 m cable	**1184358**
	5 m cable	**1184359**
	10m cable	**1184360**