

certificate  
no. **ET 16052**  
dated 14.04.2016

Translation

## EC-Type Test Certificate

Name and address of the holder of the certificate: (customer): **K.A. Schmersal GmbH & Co. KG  
Möddinghofe 30  
42279 Wuppertal**

Name and address of the Manufacturer: **K.A. Schmersal GmbH & Co. KG  
Möddinghofe 30  
42279 Wuppertal**

Product designation: Proximity device

Type: Safety switch device in connection with "magnet sensor" and "actuator": (variants: see attachment) AES 2285  
BNS...  
BP...

Intended purpose:

Testing based on:

DIN EN 60947-5-3	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB)	2014-12
DIN EN ISO 13849-2	Safety of Machinery - Safety-related parts of control systems - Part 1: General principles for design	2013-02
GS-ET 14	Supplementary requirements for the testing and certification of proximity devices for safety functions	2015-05

Remarks: The safety-related function "interrupting the contact current paths 13/14 and 23/24 of the safety switch device in the absence of the actuator" will be carried out with category 3 and PL "d" in according to DIN EN ISO 13849-1 (2008-12).

The type tested complies with the provisions laid down in the directive 2006/42/EC (**Machinery**).

The present certificate is valid until: **31.12.2020**

Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification of August 2012.

Az: NP.520.01 / 15-104-VT01 / Wld /Wi

  
Dipl.-Ing. Stefan Stommel  
Manager of the Certification Body



**Anlage zur**

**EG-Baumusterprüfbescheinigung: ET 16052**  
*EC-Type Test certificate:*

**DGUV Test - Zertifikat: ET 16053**  
*DGUV Test Certificate:*

**Bescheinigungsinhaber: K.A. Schmersal GmbH & Co. KG**  
*Holder of certificate:*  
 Möddinghofe 30  
 42279 Wuppertal

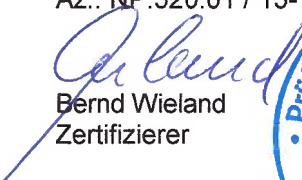
**Produktbezeichnung: Berührungsloswirkender Positionsschalter /**  
*Product designation: Proximity device*

**Typ / Type: AES 2285 +BNS... +BP...**

Nachfolgend aufgeführte Sicherheitsbausteine in Kombination mit je einem Magnetsicherheitsschalter und zugehörigem Betätigungsmagnet sind Bestandteil der Zertifikate /  
*The certificates contain the following types of Safety switch device in combination with each of one magnet safety sensor and one operating magnet:*

Sicherheitsbaustein / Safety device AES .....	Magnetsensor BNS... Magnet safety sensor BNS...	Betätigungsmagnet BPS.../ Operating magnet BPS...
In Kombination mit: <i>in connection with:</i>	Angaben in Klammern sind optional / <i>Data in brackets not mandatory</i>	
AES 2285	BNS 16-11z BNS 16-12z	BPS 16
	BNS 36-11z(G)(-ST/LST)-L/R(-2750) BNS 36-02z(G)(-ST/LST)-L/R(-2750)	BPS 36-1 (2750), BPS 36-2 (2750)
	BNS 33-11z(G)(-2237) BNS 33-12z BNS 33-02z	BPS 33
	BNS 33S-12z(G)	BPS 33S
	BNS 40S-12z-(G)-(C) BNS 40S-12z LST	BPS 40S; BPS 40S-1; BPS 40S-1-C; BPS 40S-2; BPS 40S-2C
	BNS-B20-12z	BNS-B20-B01
	BNS 120-11z	BP 10
	BNS 180-11z	BP 10
	BNS 250-11z(G)	BPS 250
	BNS 260-11z(G)(-ST/LST)-L/R	BPS 260-1, BPS 260-2
	BNS 303-11z(G)	BPS 300
Optionen / <i>Options:</i> G: zusätzliche LED / <i>additional LED</i> ST: Stecker-Anschluss / <i>Plug-connection</i> LST: Stecker mit Leitung (*) / <i>Plug with wiring (*)</i> (*) +Angabe Kabellänge/+ <i>length of cable</i> L: Türanschlag links / <i>Door stop left</i> R: Türanschlag rechts / <i>Door stop right</i> 2750: vergrößerter Schaltabstand / <i>enlarged switching distance</i> C: rückseitige Gewindebohrung / <i>Rear-side threaded hole</i>		

Köln, 14.04.2016  
 Az.: NP.520.01 / 15-104-VT01 / Wi/Wi

  
 Bernd Wieland  
 Zertifizierer

