

PX1736

**Inductive Sensors**  
**BES R05KB-USU40B-EV03**  
**12 x 40 x 26**  
**normally-open**  
**Sn=4mm**  
**shielded**

**Common Data**

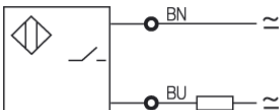
Mounting in steel	shielded
Rated operating distance Sn	4mm
Assured operating distance Sa	0...3.2mm
Repeatability R	≤ 5%
Hysteresis	≤ 15%
Function indication	yes
Ambient temperature range	-25...+70°C
Pollution Degree	3
Time delay before availability	≤ 100ms

**Mechanical Data**

Measurements BxHxT or DxT	12 x 40 x 26mm
Housing material	PA 12
Material of sensing face	PA 12
Degree of protection	IP67IP
Connection	Cable
Cable type	LiYY-0, 2x0,34mm <sup>2</sup>
Schock: Halfsinus, 30 gn, 11ms	
Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes	

**Electrical Data**

Current type	AC/DC
Wiring	2-Wire
switching function	normally-open
Rated operational voltage	110 ACV
Rated operational current	250mA
Supply voltage	20...250 AC/DCV
Rated supply frequency	50/60/DCHz
max. switching frequency	400Hz
Minimum operational current	5mA
No-load supply current	-mA
Off-state current	≤ 1700μA
Voltage drop	≤ 12/≤ 8.5V
Short circuit protection	yes
Protected against polarity reversal	yes



Utilization categories	AC
140/DC 13	
Insulation class	II

Datasheet number:

Definitions see general catalog.  
 If not otherwise noted, ratings according to  
 IEC 60947-5-2 (DIN EN60947-5-2)

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Datenblatt by CD-ROM - 04/2007

