

1) Optical axis, 2) Output function



Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Photoelectric sensor
Reference emitter	BLS 18K-XX-7P-..
Series	18K
Style	Cylinder Straight optics

Display/Operation

Display	Output function - LED red
----------------	---------------------------

Electrical connection

Cable diameter D	5.10 mm
Cable length L	3 m
Conductor cross-section	0.34 mm ²
Connection	Cable, 3.00 m, PVC
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	no

Electrical data

No-load current I_o max. at U_e	10 mA
Operating voltage U_b	20...240 VAC
Rated insulation voltage U_i	250 V AC
Rated operating current I_e	200 mA
Rated operating voltage U_e AC	230 V
Ready delay t_v max.	300 ms
Switching frequency	25 Hz
Turn-off delay t_{off} max.	20 ms
Voltage drop U_d max. at I_e	4 V

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP67

Interface

Switching output	Thyristor + diode bridge normally open (NO)
-------------------------	---

Material

Housing material	PA 12
Material jacket	PVC
Material sensing surface	PMMA

Mechanical data

Dimension	Ø 18 x 88 mm
Mounting part	Nut M18x1

Optical features

Ambient light max.	3000 Lux
Light type	Infrared
Principle of optical operation	Through-beam sensor (receiver)
Switching function, optical	dark-on

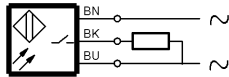
Range/Distance

Range	0...16 m
Rated operating distance Sn	16 m

Remarks

Order accessories separately.
For additional information, refer to user's guide.
Actuation object (target): gray card, 200 x 200, lateral approach.

Wiring Diagrams



Opto Symbols

