

1) Optical axis, 2) Operating voltage



Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Photoelectric sensor
Reference receiver	BLE 18K-...-1LT-..
Series	18K
Style	Cylinder Straight optics

Display/Operation

Display	LED green: Power
---------	------------------

Electrical connection

Connection	Connector, M12x1-Male, 4-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes

Electrical data

Input function	Test (Emitter off)
No-load current I_o max. at U_e	30 mA
Operating voltage U_b	10...30 VDC
Rated insulation voltage U_i	75 V DC
Rated operating voltage U_e DC	24 V
Ripple max. (% of U_e)	8 %

Environmental conditions

Ambient temperature	-10...50 °C
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, amplitude 0.5 mm, 3x30 min
IP rating	IP67

Material

Housing material	ABS
Material sensing surface	PMMA

Mechanical data

Dimension	Ø 18 x 73.8 mm
-----------	----------------

Optical features

Average power P_o max.	390 µW
Laser class per IEC 60825-1	1
Light type	Laser red light
Principle of optical operation	Through-beam sensor (Emitter)
Wave length	650 nm

Range/Distance

Range	0...60 m
Rated operating distance S_n	60 m Adjustable

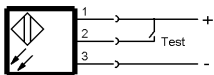
Remarks

Order accessories separately.
For additional information, refer to user's guide.

Connector Drawings



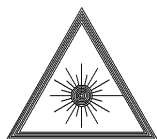
Wiring Diagrams



Opto Symbols



Warning Symbols



LASER CLASS 1 per IEC 60825-1