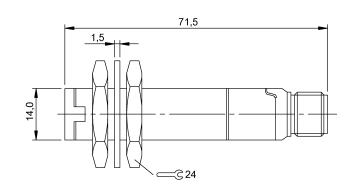
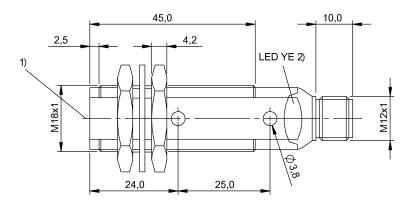
Photoelectric Sensors BLS 18KF-XX-1P-S4-L Order Code: BOS00EP







1) Optical axis, 2) Operating voltage



Basic features

Approval/Conformity	CE	Input function	Test (Emitter off)
	cULus	No-load current lo max. at Ue	35 mA
	WEEE	Operating voltage Ub	1030 VDC
Basic standard	IEC 60947-5-2	Rated insulation voltage Ui	75 V DC
Principle of operation	Photoelectric sensor	Rated operating voltage Ue DC	24 V
Reference receiver	BLE 18KF1PP	Ripple max. (% of Ue)	8 %
Series	18KF	httpp://inaxi(//orlocy	0,0
Style	Flat cylinder Straight optics	Environmental conditions	
Trademark	Global	Ambient temperature	-2555 °C
		EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
Display/Operation		EN 60068-2-6, Vibration	1055 Hz, amplitude 0.5 mm, 3x30 min
Display	LED green: Power	IP rating	IP67
Electrical connection		Functional safety	
Connection	Connector, M12x1-Male, 4-pin	MTTF (40 °C)	991 a
Polarity reversal protected	yes	· · · · · ·	

Electrical data

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Optical features

Housing material	PBT	Light type	Infrared
Material sensing surface	PMMA	Principle of optical operation	Through-beam sensor (Emitter)
		Wave length	880 nm
Mechanical data			
Dimension	Ø 18 x 71.5 mm	Range/Distance	
Mounting part	Nut M18x1	Range	020 m
	Screw M3	Rated operating distance Sn	20 m Adjustable
Tightening torque max.	1.5 Nm		

Remarks

Material

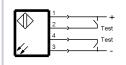
For additional information, refer to user's guide. Order accessories separately. For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams



Opto Symbols

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