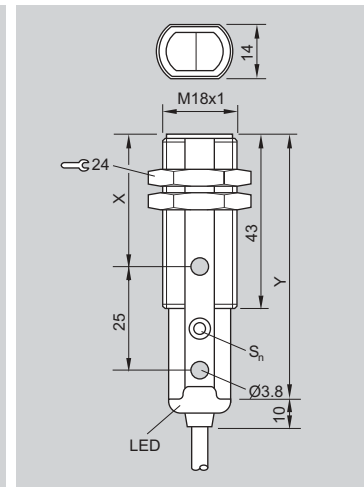
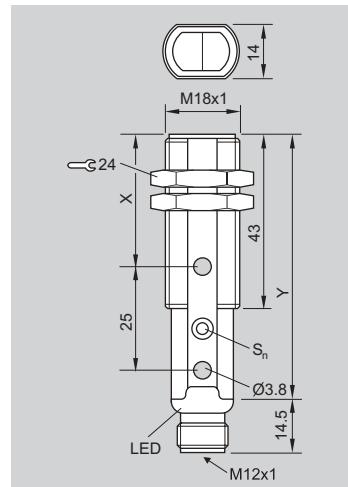


Series	18KF, M12 Connector	18KF, Cable
Type	Plastic Straight	Plastic Straight



	x	y		
L ₁	34	67		

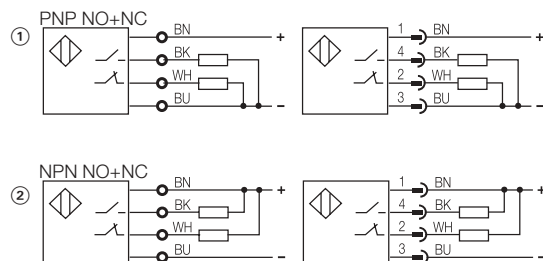


Luminescence Detection (UV)

PNP NO+NC	Light-on	8...20 mm	Teach-in	①	BLT 18KF-001-P-S4	BLT 18KF-001-P-02
NPN NO+NC	Light-on	8...20 mm	Teach-in	②	BLT 18KF-001-N-S4	BLT 18KF-001-N-02

Supply Voltage U_B	10...30 Vdc
Ripple	≤ 10%
Voltage Drop U_d at I_o	≤ 2 V
Rated Output Current I_o	100 mA
Current Consumption I_o (No Load)	≤ 30 mA
Utilization Category (IEC 60-947-4-1) Output Duty Cycle	DC 13
Emitter Light Source	UV 370 nm
Light Spot Diameter	3 mm @ 20 mm
Ambient Light Immunity (EN 60947-5-2)	5000 Lux
Output Indicator	Yellow LED
Stability/Error Indicator	Green/Red LED
Switching Frequency f	1 kHz
Response Time (On/Off Delay)	≤ 0.5 ms
Ambient Temperature range T_a	-25°C to +55°C
Electrical Shock Protection	Class 2
Degree of Protection per IEC 60529	IP 67
Short Circuit Protection	Yes
Overload Protection	Yes
Housing Material	PBT
Sensing Face Material	PMMA
Emitter Life	Average 100,000 hr with $T_a = +25^\circ\text{C}$
Connection	M12 4-Pin Connector Cable 2 m, PVC, 4x0.14 mm ²
Recommended Connector	C04A or C04B
Weight	25 g 75 g

Wiring Diagram



Detection Diagram

Sensitivity/Operating Distance

