

Diffuse sensors with cylindrical light beam



Features

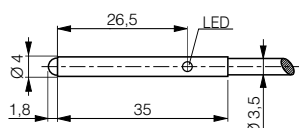
- Extremely small size: diameter 4 mm smooth or threaded M5, housing length 35 mm or 45 mm / lens 1.8 mm
- Cylindrical light beam $\varnothing < 4$ mm
- Supply voltage 10 ... 30 VDC, output current 100 mA, short-circuit proof
- Fully vacuum potted, degree of protection IP 67

Benefits

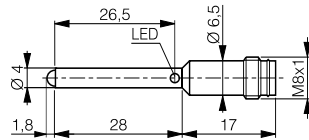
- Recessed mounting possible
- Sapphire optical parts, easy to clean
- Replace larger models when space is limited
- Fully self-contained, all functions built in, no amplifier necessary
- Lower cost and easier installation than optical fibers with amplifier



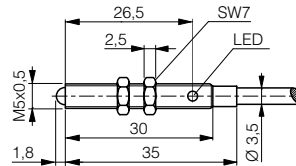
Dimensions



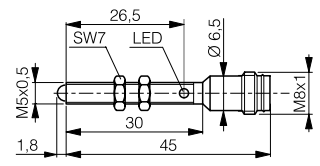
LTK-1040-30#-505/506



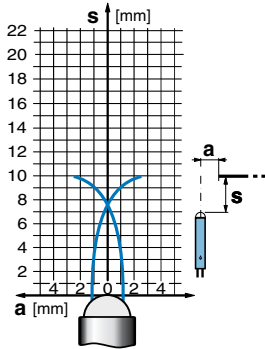
LTS-1040-30#-505/506



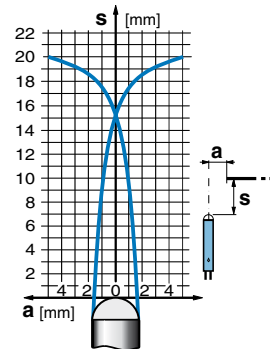
LTK-1050-30#-505/506



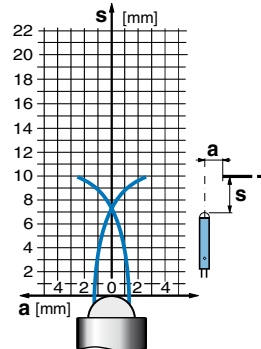
LTS-1050-30#-505/506



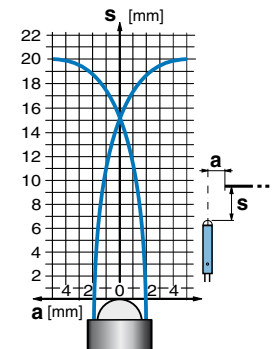
LT#-1040-30#-505



LT#-1040-30#-506



LT#-1050-30#-505



LT#-1050-30#-506

Technical data: (according to IEC 60947-5-2 / DIN 44030)

Rated operating distance s_n :	LT#-1040/1050-30#-505	10 mm
	LT#-1040/1050-30#-506	20 mm
Hysteresis		$\leq 10\% s_r$
Supply voltage range U_B		10 ... 30 VDC
Output current		≤ 100 mA
No-load supply current		≤ 15 mA
Switching frequency		≤ 250 Hz
Switching time		2.5 msec
LED: output state (yellow) / excess gain indication (yellow flashing)		built-in
Ambient temperature range T_A		0 ... +55 °C (+32 ... +131 °F)
Short-circuit protection		built-in
Voltage reversal & induction protection		built-in
Degree of protection		IP 67
EMC protection:	IEC 60947-5-2	1kV
	IEC 61000-4-2	Level 2
	IEC 61000-4-3	Level 3
	IEC 61000-4-4	Level 2
Housing material		stainless steel V2A n°. 1.4301 (AISI 304)
Window material		sapphire
Connection cable		PVC 3 x 0.14 mm ² / 18 x 0.1 mm Ø, 2m

Available types:

Part number	Part reference	Polarity	Connection	Output
620 200 671	LTK-1040-301-505	NPN	cable	light-ON
620 200 676	LTS-1040-301-505	NPN	connector S8 3 pins	light-ON
620 200 635	LTK-1040-303-505	PNP	cable	light-ON
620 200 678	LTS-1040-303-505	PNP	connector S8 3 pins	light-ON
620 200 681	LTK-1040-301-506	NPN	cable	light-ON
620 200 686	LTS-1040-301-506	NPN	connector S8 3 pins	light-ON
620 200 639	LTK-1040-303-506	PNP	cable	light-ON
620 200 688	LTS-1040-303-506	PNP	connector S8 3 pins	light-ON
620 200 651	LTK-1050-301-505	NPN	cable	light-ON
620 200 656	LTS-1050-301-505	NPN	connector S8 3 pins	light-ON
620 200 638	LTK-1050-303-505	PNP	cable	light-ON
620 200 658	LTS-1050-303-505	PNP	connector S8 3 pins	light-ON
620 200 661	LTK-1050-301-506	NPN	cable	light-ON
620 200 665	LTS-1050-301-506	NPN	connector S8 3 pins	light-ON
620 200 636	LTK-1050-303-506	PNP	cable	light-ON
620 200 668	LTS-1050-303-506	PNP	connector S8 3 pins	light-ON

These proximity switches **must not be used** in applications where the **safety of people** is dependent on their functioning. Terms of delivery and rights to change design reserved.

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