

M18 Contrast Sensors LT



- White light
- M18 Compact housing
- Sensitivity adjustment
- Switching frequency 10kHz
- Fast response time (50μs)
- NPN or PNP (NO/NC selectable)
- Interchangeable lens
- IP65



Options and ordering codes

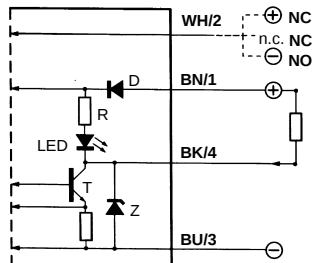
LTB	/	0	N	-	0	C	
M18 white light contrast sensor					Plastic housing	C	Right angle cable exit
NO/NC selectable		0				K	M12 right angle plug
			N				
			P				

Specification

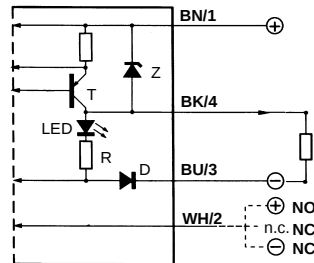
Model	LTB/**-**-STF-12	LTB/**-**-STF-25
Nominal sensing distance Sn	12mm	25mm
Operating voltage	10-30VDC	
Ripple	<10%	
No-load supply current	40mA	
Load current	100mA	
Leakage current	<10μA	
Voltage drop	1.2V maximum I=100mA	
Output type	NPN or PNP – NO/NC/selectable	
Switching frequency	10kHz	
Response time	50μs	
Time delay before availability	200ms	
Supply electrical protections	Polarity reversal, transient	
Output electrical protections	Short circuit (autoreset)	
Temperature range	-5° ... +55° C (without freeze)	
Temperature drift	10%	
Interference to external light	3000 lux 10000 lux (sunlight)	
Protection degree (DIN 40 050)	IEC IP65	
LED indicators	Yellow (output state) – green (supply)	
Housing material	PBT	
Cable exit material	Polycarbonate	
Optic material	Plexiglas 7N	
Tightening torque	1Nm	
Weight (approximately)	80-85g	

Output circuits

NPN output

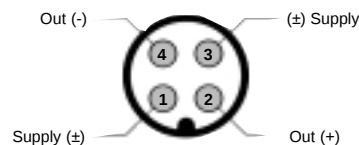


PNP output

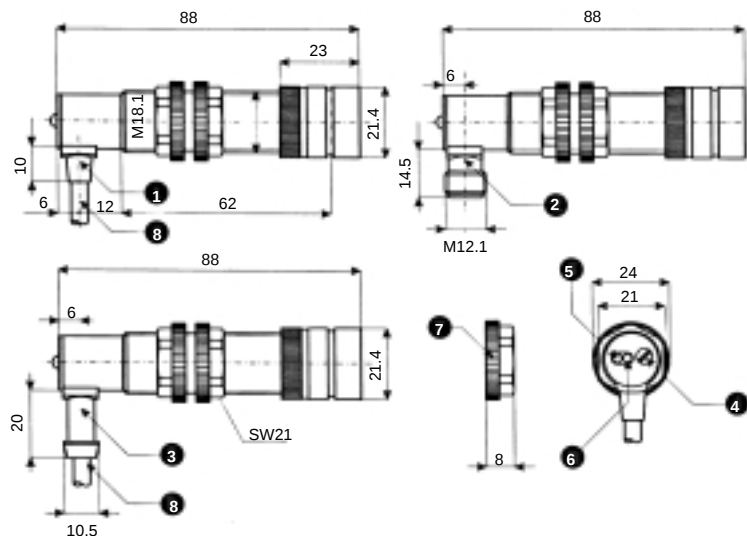


Plug pin connections

M12 plug connector



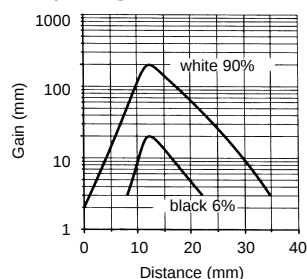
Dimensions (mm)



1. Right-angle cable exit
2. Right-angle cable exit with tang
3. M12 right-angle plug cable exit with tang
4. Sensitivity adjustment
5. Yellow LED (output state ON/OFF)
6. Green LED (supply)
7. Plastic tightening nut
8. Cable 4 x 0.34mm², Ø4.7mm, PVC, 2m

Characteristic curves

LTB/**-**+STF12



LTB/**-**+STF25

