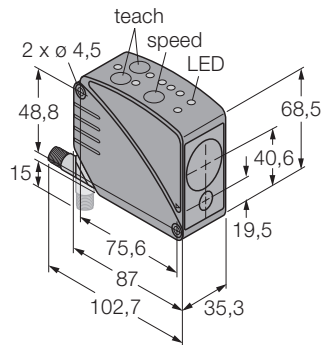
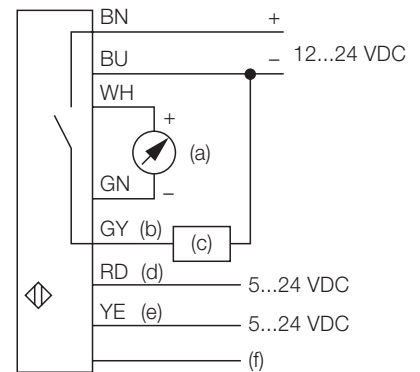


Photoelectric sensor laser sensor with switching and analogue output LT3PIQ

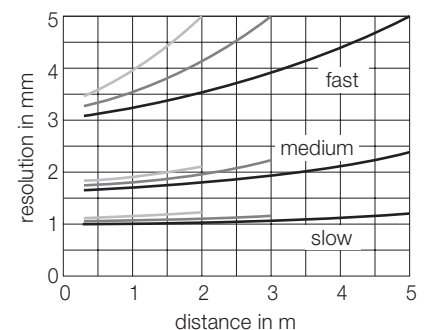


- diffuse mode laser sensor with 5m sensing range
- switching and measuring range independently adjustable
- invertible edge of the analogue output
- selectable output response for fast, medium or slow operation

Wiring diagram



The LT3 uses pulsed time-of-flight technology to achieve unsurpassed performance. The laser pulses one million times per second. The microprocessor records the time required for each pulse to travel to the target and back to the sensor. Every millisecond, one thousand pulse times are averaged and the corresponding value is transferred to the output.



Type	LT3PIQ
Ident-No.	3065513
Operating mode	Diffuse mode sensors with adjustable background suppression
Type of light	red
Wave length	658 nm
Laser-class	2 (EN 60825, IEC 60825)
Max. sensing range [m]	0,3... 5 m
Operating temperature	0 ...+ 50 °C
Rated operational voltage (DC) U_B	12... 24 VDC
Rated operational current (DC) I_e	≤ 100 mA
No-load current I_0	≤ 108 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	normally open, PNP/analogue output
Current output	4... 20 mA
Time delay before availability	≤ 1 s
Housing style	rectangular; LT3
Dimensions	87 x 35,3 x 68,5 mm
Housing material	plastic, ABS
Lens	Kunststoff
Wiring	connector, M12 x 1
Degree of protection	IP67
Supply voltage indication	LED green
Switching status indication	LED yellow