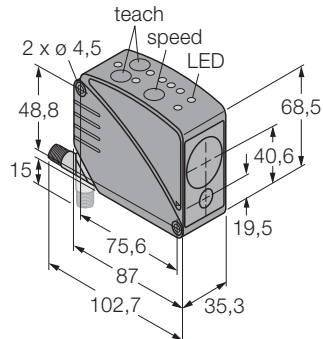


photoelectric sensor

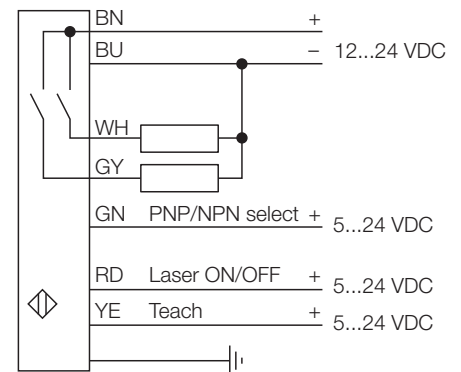
laser sensor with two switching outputs

LT3BDQ



- diffuse mode laser sensor with 5m sensing range
- two independently adjustable switching ranges
- Operating voltage 12...24 VDC
- signal strength indication

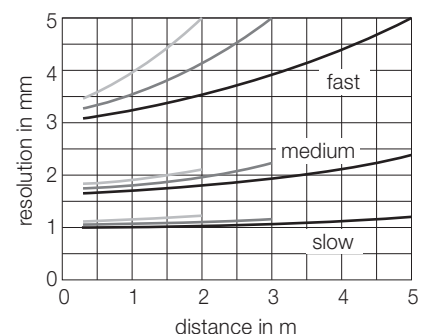
Wiring diagram



Functional principle

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.

Resolution versus distance



Type	LT3BDQ
Ident-No.	3065516
Operating mode	Diffuse mode laser sensor (time-of-fly) with adjustable background suppression
Light type	red
Wavelength	658 nm
Laser class	2 (EN 60825, IEC 60825)
Repeatability	1 mm
Range	300... 5000 mm
Ambient temperature	0...+ 50°C
Operating voltage	12... 24 VDC
DC rated operational current	≤ 100 mA
No-load current I_0	≤ 108 mA
Output function	2x NO, pnp/npn
Switching frequency	≤ 1kHz
Readiness delay	≤ 1 s
Housing	rectangular, LT3
Dimensions	87x 35.3x 68.5mm
Housing material	Plastic, ABS
Lens	plastic, acrylic
Electrical connection	Connectors, M12 x 1
Protection class	IP67
Operating voltage	LED green
Switching state	LED yellow