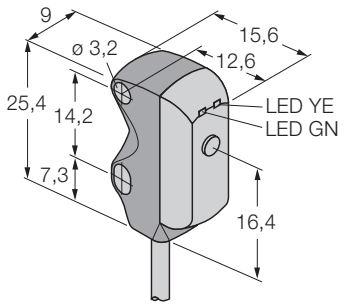
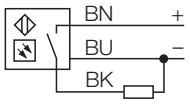
Photoelectric sensor
retro-reflective sensor
VS3AP5XLP



Type	VS3AP5XLP
Ident-No.	3062623
Operating mode	Retro-reflective sensor with polarising filter
Type of light	red
Wave length	680 nm
Operating temperature	-20 ...+ 55 °C
Rated operational voltage (DC) U_B	10... 30 VDC
Rated operational current (DC) I_e	≤ 50 mA
No-load current I_0	≤ 25 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	normally open, PNP
Switching frequency	≤ 500 Hz
Max. switch-on delay	≤ 150 ms
Housing style	rectangular; VS3
Housing material	plastic, ABS
Lens	Glas
Wiring	cable
Cable length	2 m
Cable cross section	3 x 0,34 mm^2
Degree of protection	IP67
Supply voltage indication	LED green
Switching status indication	LED yellow
Error indication	LED green

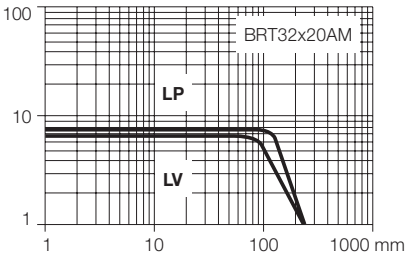
- **miniature sensor**
- **retro-reflective sensor with polarisation filter**
- **light operate**

Wiring diagram



With retro-reflective sensors, emitter and receiver are incorporated in one compact housing. The light beam of the emitter is directed towards a reflector which returns the light back to the receiver. An object is detected when it interrupts this beam. Retro-reflective sensors incorporate some of the advantages of opposed mode sensors (good contrast and high excess gain). Further it is merely required to install and wire a single device. Devices with polarisation filter should be used for detection of shiny targets.

Excess gain curve
Excess gain in relation to the distance



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