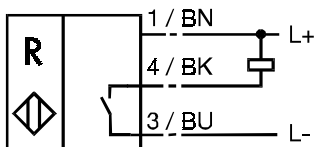


Figure 1
Housing material PBT (Polybutylenterephthalate)
Optical outlet material Mineral glass window

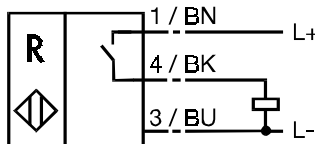
- 2 000 mm adjustable range
- Stability control indicator
- Protection class IP 67
- Scratch resistant mineral glass window
- Reflector and mounting attachment supplied

Ordering details	DC, npn DC, npn DC, pnp DC, pnp	OBS2000-F3-E0 OBS2000-F3-E0-V3 OBS2000-F3-E2 OBS2000-F3-E2-V3
Sensing range Reference standard Blind spot for retro reflector Range setting Detectable object		2 000 mm with 50 mm x 50 mm retro reflector ≤ 100 mm with Potentiometer Opaque object
Switching rate Rise delay time Readiness delay		200 Hz 2.5 ms 20 ms
Operating mode Indicators LED yellow LED red Type of light Extraneous light limit Daylight Halogen light Ambient temperature Storage temperature		Dark detecting Switching status Stability control indicator IR-light 950 nm ≤ 20 000 Lux ≤ 5 000 Lux 248 Kelvin ... 343 Kelvin (-25° C ... +70° C) 233 Kelvin ... 353 Kelvin (-40° C ... +80° C)
Electrical ratings Rated operational voltage No load supply current Switch output Rated operational current Voltage drop		10 V DC ... 30 V DC, ripple 10 % _{SS} ≤ 25 mA E0: npn, N.O. E2: pnp, N.O. 200 mA circuit/overload proof ≤ 1.5 V
Mechanical data Protection class to EN 60 529 Optical Permissible shock and vibration loading Method of connection Weight		IP 67 Double lens system glass Shock b ≤ 30 g , T ≤ 11 ms Vibration f ≤ 55 Hz , a ≤ 1 mm 2 m cable, 3 x 0.14 mm ² PVC grey resp. V3 plug connector 55 g
In compliance with		EN 60 947-5-2

Connection OBS2000-F3-E0 /-V3:



Connection OBS2000-F3-E2 /-V3:



Date of issue 24.06.1996

Characteristic response curves for
 OBS2000-F3-E0
 OBS2000-F3-E0-V3
 OBS2000-F3-E2
 OBS2000-F3-E2-V3

Permissible offset between the sensor axis and the retro reflector (reference reflector)

