

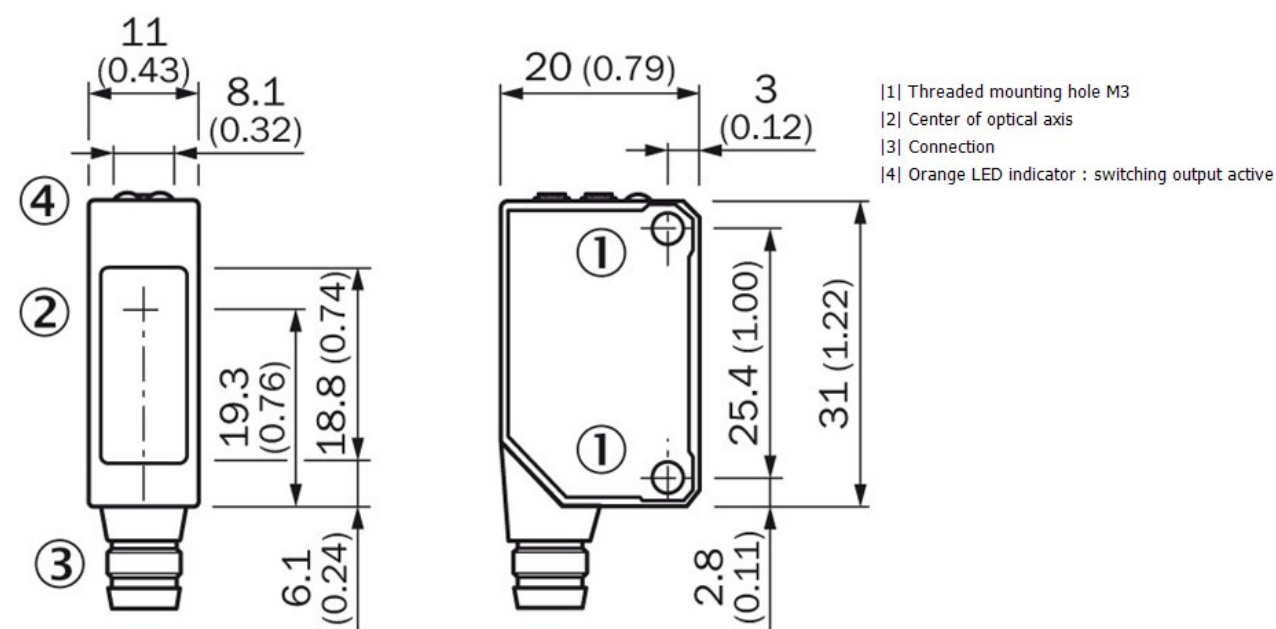
1) 2) PL80A 3) Average service life of 100,000 h at $T_A = +25\text{ °C}$

Mechanics/electronics

Supply voltage:	10 V DC ... 30 V DC ¹⁾
Ripple:	$\pm 10\%$ ²⁾
Power consumption:	$\leq 30\text{ mA}$ ³⁾
Switching output:	NPN
Switching output:	Light/dark-switching
Output characteristic:	Open collector
Switching mode selector:	Manually selectable
Signal voltage NPN HIGH/LOW:	Approx. $V_S / < 1.8\text{ V}$
Output current I_{max} :	$\leq 100\text{ mA}$
Response time:	$\leq 0.5\text{ ms}$ ⁴⁾
Switching frequency:	1,000 Hz ⁵⁾
Attenuation along light beam:	$\leq 20\%$
Connection type:	Cable, 3-wire, 2 m ⁶⁾
Cable material:	PVC
Circuit protection:::	A, B, D ⁷⁾ ⁸⁾ ⁹⁾
Weight:	50 g
Polarisation filter:	✓
Front screen heating:	-
AS-Interface-Chip:	-
Housing material:	ABS, Plastic
Optics material:	PMMA
Enclosure rating:	IP 67
Items supplied:	Stainless steel mounting bracket (1.4301/304) BEF-W100-A, Reflector P250F
Special feature:	For transparent objects
Ambient operating temperature:	-25 °C ... 55 °C
Ambient storage temperature:	-40 °C ... 70 °C

1) Limit values, operation in short-circuit protected network max. 8 A 2) May not exceed or fall short of V_S tolerances 3) Without load 4) Signal transit time with resistive load 5) With light/dark ratio 1:1 6) Do not bend below 0 °C 7) A = V_S connections reverse-polarity protected 8) B = inputs and output reverse-polarity protected 9) D = outputs overcurrent and short-circuit protected

Dimensional drawing



Adjustments possible

