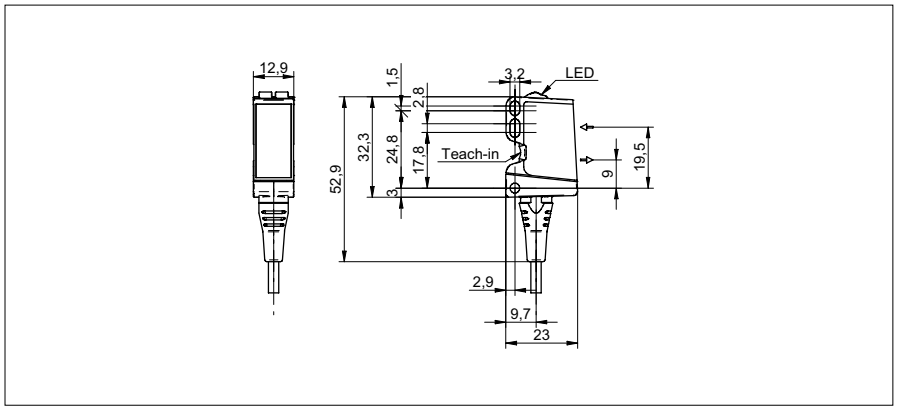
Diffuse sensors with background suppression

O300.GI-11128081

dimension drawing



general data

type	background suppression
light source	pulsed infrared diode
sensing distance Tw	30 ... 300 mm
sensing range Tb	15 ... 300 mm
power on indication	LED green
light indicator	LED yellow
sensing distance adjustment	qTeach / external
wave length	860 nm
suppression of reciprocal influence	yes
alignment optical axis	< 2°

electrical data

response time / release time	< 0,49 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	45 mA
current consumption typ.	30 mA
voltage drop Vd	< 3 VDC
output function	light / dark operate
output circuit	push-pull
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

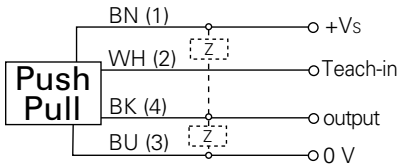
width / diameter	12,9 mm
height / length	32,3 mm
depth	23 mm
type	rectangular
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	cable 4 pin, 2 m

ambient conditions

operating temperature	-25 ... +60 °C
protection class	IP 67

photo

connection diagram



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