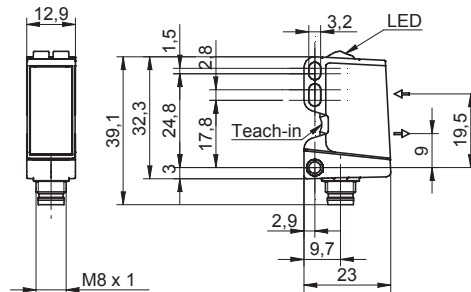


Diffuse sensors with background suppression

O300Y.GR-11144055

Mat.-No.: 11144055

dimension drawing



• qTeach

general data

type	background suppression
light source	pulsed red LED
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 / 1-Step Teach-in
wave length	630 nm
suppression of reciprocal influence	yes
alignment optical axis	< 3°

electrical data

response time / release time	< 1 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	NPN complementary
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

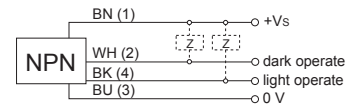
mechanical data

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	connector M8 4 pin

ambient conditions

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

connection diagram



pin assignment

