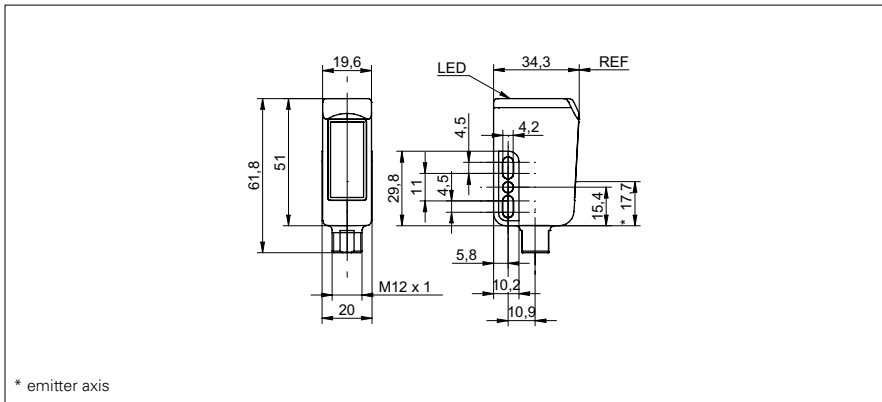


Diffuse sensors with background suppression

FHDR 14

sample drawing



* emitter axis

general data

type	background suppression
special type	Washdown design
light source	pulsed red LED
sensing distance T_w	50 ... 400 mm
sensing range T_b (at T_w max.)	20 ... 400 mm
sensing range T_b (at T_w min.)	20 ... 50 mm
power on indication	LED green
output indicator	LED red
sensing distance adjustment	Teach-in
wave length	660 nm
approvals/certificates	Ecolab

sample picture



electrical data

response time / release time	< 1,8 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	40 mA
current consumption typ.	35 mA
voltage drop V_d	< 2 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	19,6 mm
height / length	51 mm
depth	34,3 mm
type	rectangular
housing material	stainless steel 1.4404 (V4A)
front (optics)	PMMA
connection types	connector M12

Diffuse sensors with background suppression

FHDR 14

ambient conditions

operating temperature	-30 ... +60 °C
protection class	IP 68/69K & proTect+
storage temperature	-30 ... +70 °C

order reference

FHDR 14G6901/S14
FHDR 14G6901/S14/IO

sensitivity adjustment

-
IO-Link