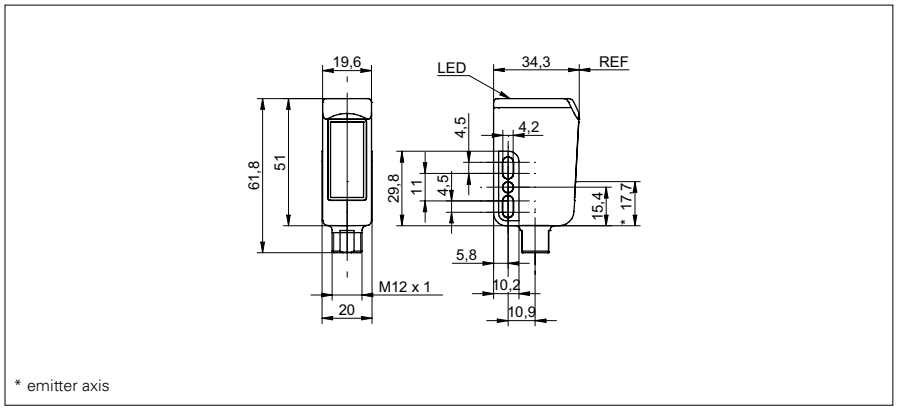
SmartReflect Light barriers

FNDR 14G6901/S14/IO

dimension drawing



* emitter axis

general data	
type	light barrier
special type	Washdown design
version	standard object detection
light source	pulsed point source LED
background position Sde	50 ... 800 mm on V4A
scanning range sa	96% Sde
alignment / soiled lens indicator	flashing light indicator
power on indication	LED green
output indicator	LED red
sensing distance adjustment	Teach-in and IO-Link
wave length	660 nm
approvals/certificates	Ecolab

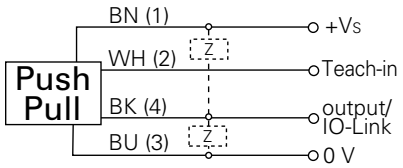
electrical data	
response time / release time	< 1,8 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	40 mA
current consumption typ.	35 mA
voltage drop Vd	< 2 VDC
output function	light / dark operate
output circuit	push-pull
output current	< 100 mA
short circuit protection	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

photo



connection diagram



IO-Link

proTect

- Sensor FDA compliant and Ecolab approved
- IO-Link: output signal, service status, object presence
- sensitivity adjustable: via Teach-in wire input

SmartReflect Light barriers FNDR 14G6901/S14/IO

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