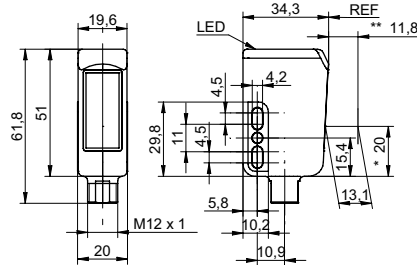


Diffuse contrast sensors

FKDR 14G6901/S14

dimension drawing



* emitter axis

general data

type	diffuse contrast sensor
special type	Washdown design
light source	white LED
sensing distance Tw	12,5 mm $\pm$ 2 mm
light indicator	LED green
output indicator	LED yellow
sensitivity adjustment	Teach-in
distance to focus	12,5 mm
beam height	3 mm
beam width	1 mm
Approvals/certificates	Ecolab

electrical data

response time / release time	< 0,05 ms
voltage supply range +Vs	18 ... 30 VDC
current consumption max. (no load)	50 mA
current consumption typ.	40 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	19,6 mm
height / length	51 mm
depth	34,3 mm
type	rectangular
housing material	stainless steel 1.4404 (V4A); LSR
front (optics)	PMMA
connection types	connector M12

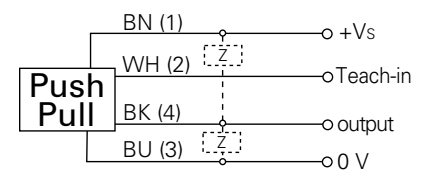
ambient conditions

operating temperature	-25 ... +60 °C
protection class	IP 68/69K & proTect+

photo



connection diagram



proTect⁺

- Sensor FDA compliant and Ecolab approved
- sensitivity adjustable: via Teach-in wire input
- LSR = Liquid Silicon Rubber