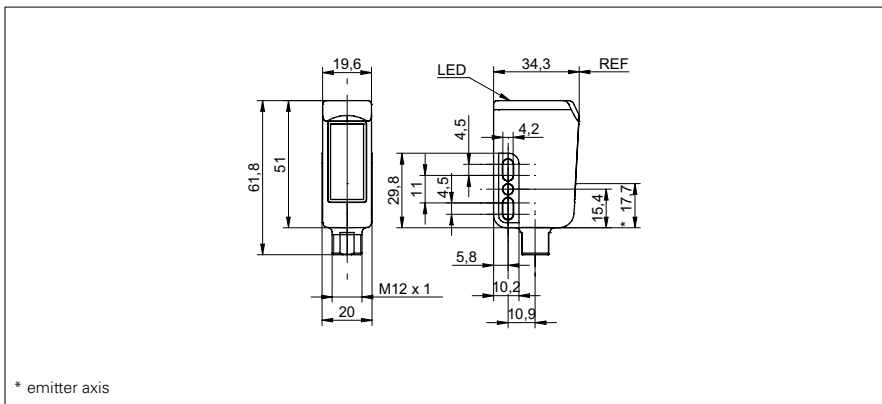


SmartReflect Light barriers

FNDR 14

sample drawing



general data

type	light barrier
special type	Washdown design
light source	pulsed point source LED
alignment / soiled lens indicator	flashing light indicator
power on indication	LED green
output indicator	LED red
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

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

ambient conditions

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

sample picture



SmartReflect Light barriers
FNDR 14

order reference	version	background position Sde	sensing distance adjustment	reverse polarity protection	scan- ning range Sa	minimal signal attenua- tion
FNDR 14G6901/S14	standard object detection	50 ... 800 mm on V4A	Teach-in	yes	96% Sde	-
FNDR 14G6901/S14/IO	standard object detection	50 ... 800 mm on V4A	Teach-in and IO-Link	yes	96% Sde	-
FNDR 14G6902/S14	Tray and bottle detection	200 ... 800 mm on V4A	Teach-in	yes, Vs to GND	-	30 %
FNDR 14G6902/S14/IO	Tray and bottle detection	200 ... 800 mm on V4A	Teach-in and IO-Link	yes, Vs to GND	-	30 %
FNDR 14G6903/S14	Foil detection	200 ... 800 mm on V4A	Teach-in	yes	-	12 %
FNDR 14G6903/S14/IO	Foil detection	200 ... 800 mm on V4A	Teach-in and IO-Link	yes	-	12 %