

Tw = 50 ... 800 mm

IO-Link

- hygiene design
- IO-Link
- remote Teach-in



general data

type	light barrier
special type	Hygiene design
light source	pulsed red LED
alignment / soiled lens indicator	flashing light indicator
power on indication	LED green
output indicator	LED red
wave length	660 nm
Approvals/certificates	Ecolab EHEDG

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

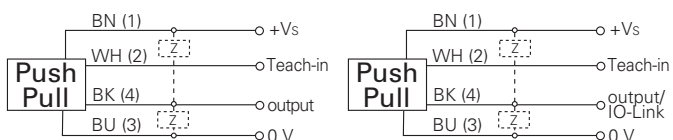
mechanical data

type	rectangular
housing material	stainless steel 1.4404 (V4A); LSR
front (optics)	PMMA

ambient conditions

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

connection diagrams



connectors

ESG 34AF0200	4 pin	2 m straight
ESW 33AF0200	4 pin	2 m angular

additional cable connectors and field wireable connectors, see accessories

accessories

mounting	ø 17 mm	HI17-1H
stainless steel reflector		FTDR 017W035

for details, see accessories section

remarks

Sensor FDA compliant, EHEDG certified and Ecolab approved
IO-Link: output signal, service status, object presence
sensitivity adjustable: via Teach-in wire input
LSR = Liquid Silicon Rubber

order reference	version	background position Sde	connection types	sensing distance adjustment	reverse polarity protection	scanning range	min. signal attenuation
FNDH 14G6901	standard object detection	50 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in	yes	96% Sde	-
FNDH 14G6901/IO	standard object detection	50 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in and IO-Link	yes	96% Sde	-
FNDH 14G6901/KS34A	standard object detection	50 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in	yes	96% Sde	-
FNDH 14G6901/KS34A/IO	standard object detection	50 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in and IO-Link	yes	96% Sde	-
FNDH 14G6902	Tray and bottle detection	200 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in	yes, Vs to GND	-	30 %
FNDH 14G6902/IO	Tray and bottle detection	200 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in and IO-Link	yes, Vs to GND	-	30 %
FNDH 14G6902/KS34A	Tray and bottle detection	200 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in	yes, Vs to GND	-	30 %
FNDH 14G6902/KS34A/IO	Tray and bottle detection	200 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in and IO-Link	yes, Vs to GND	-	30 %
FNDH 14G6903	Foil detection	200 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in	yes	-	12 %
FNDH 14G6903/IO	Foil detection	200 ... 800 mm on V4A	cable 4 pin, 2 m	Teach-in and IO-Link	yes	-	12 %
FNDH 14G6903/KS34A	Foil detection	200 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in	yes	-	12 %
FNDH 14G6903/KS34A/IO	Foil detection	200 ... 800 mm on V4A	flylead connector M12, L=300 mm	Teach-in and IO-Link	yes	-	12 %