



Sb = 3 m

- hygiene design
- EHEDG certified

**general data**

type	retro-reflective sensor
special type	Hygiene design
light source	pulsed red LED
actual range Sb	3 m
nominal range Sn	3,5 m
polarization filter	yes
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	no
wave length	660 nm
suppression of reciprocal influence	yes
Approvals/certificates	Ecolab EHEDG

**electrical data**

response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	25 mA
current consumption typ.	20 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

width / diameter	19,6 mm
height / length	52,2 mm
depth	34,3 mm
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
reflector	FTDR 051E051

for details, see accessories section

**remarks**

Sensor FDA compliant, EHEDG certified and Ecolab approved  
LSR = Liquid Silicon Rubber

order reference	connection types	output circuit
FPDH 14N5101	cable 4 pin, 2 m	NPN
FPDH 14N5101/KS34A	flylead connector M12, L=300 mm	NPN
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FPDH 14P5101/KS34A	flylead connector M12, L=300 mm	PNP