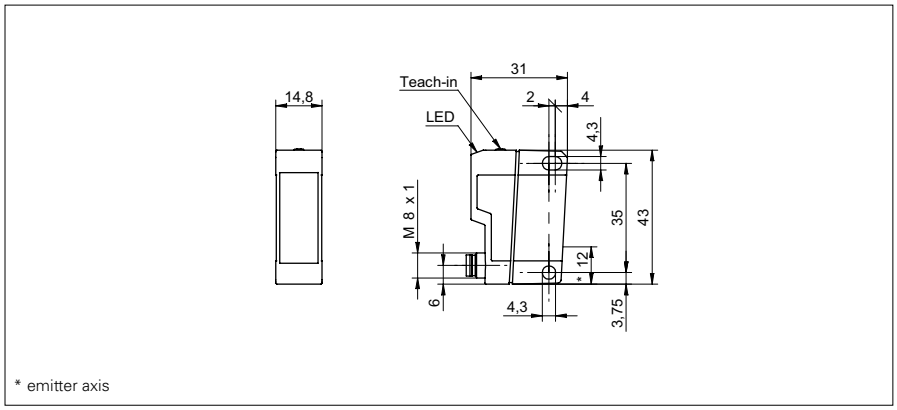
Diffuse sensors with background suppression

FHDK 14P6901/S35A

dimension drawing



* emitter axis

general data

type	background suppression
light source	pulsed red LED
sensing distance Tw	40 ... 200 mm
sensing range Tb (at Tw max.)	20 ... 200 mm
sensing range Tb (at Tw min.)	12 ... 40 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED green
output indicator	LED yellow
sensing distance adjustment	Teach-in
wave length	660 nm
suppression of reciprocal influence	yes

electrical data

response time / release time	< 0,5 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	40 mA
current consumption typ.	35 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output circuit	PNP
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	14,8 mm
height / length	43 mm
depth	31 mm
type	rectangular
housing material	plastic (ASA, MABS)
front (optics)	PMMA
connection types	connector M8 4 pin

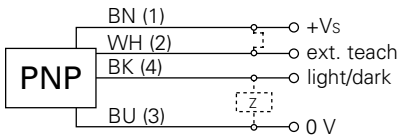
ambient conditions

operating temperature	-25 ... +65 °C
protection class	IP 67

photo



connection diagram



- sensitivity adjustable: via Teach-in button or Teach-in wire input

Unikeyic Electronics

Global Electronic Components Distributor

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Baumer:

MEX3-F20.B19 MEX5-F30.B22 MTR1F50B19 O300.GP-GW1B.72N O300.TR-ZZZZ.72N 11112012
FTDR 047A048 MEX5-D31.B38 OR18.ZL-PV1P.7BO/B013 11229489 IFRM12N1701/S14L LBFS-03421.0
MEX5-D31.B79 11007902 11190721 EIL580-SC10.5FN.01024.A IFRM 06P17A5/S35L MEX3-F21.B82
MEX5-D30.B24 11232565 IFFM08P17A6/L MEX3-F21.B29 10127804 11130475 MEX5-D30.B26
MIT3-D22.B16 MTR2-D50.B19 11223791 ARA-10.D30L IFFM04N1501/O1L