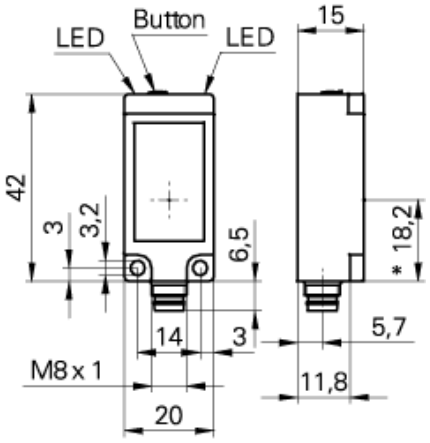
Diffuse sensors (Background suppression), plastic

FHDK 20P6901/S35A

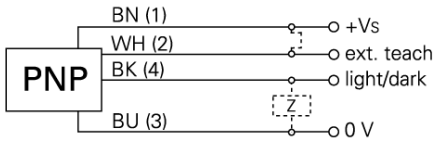


* emitter axis

Technical Data	
function	background suppression
sensing distance Tw	30 - 200 mm
sensing range Tb (at Tw min)	2 - 200 mm
sensing range Tb (at Tw max)	12 - 30 mm
output	PNP
output state	light/dark operate
housing style	rectangular
width /diameter	20 mm
height	42 mm
depth	15 mm
housing material	plastic (PBT-ASA)
connection	connector
operating range	-
beam focal point	-
repeatability	-
min. detectable contrast	-
output indicator	LED green
alignment aid / soiled lens indicator	flashing LED
light source	pulsed red diode
wave length	660 nm
laser class	-
voltage supply range +Vs	10 - 30 V
supply voltage	DC
supply current average/peak value	28 / 48 mA
switching current	< 100 mA
voltage drop	< 1,8 VDC
response time / release time	< 0,5 ms
sensitivity adjustable	teach-in button
short circuit protection	yes
reverse polarity protection	yes
temperature range	-25 ... +65 °C
protection class	IP 67
connectors	ES 8A, ES 9A, ESW 31A, ESG 32A

photo

connection diagram



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