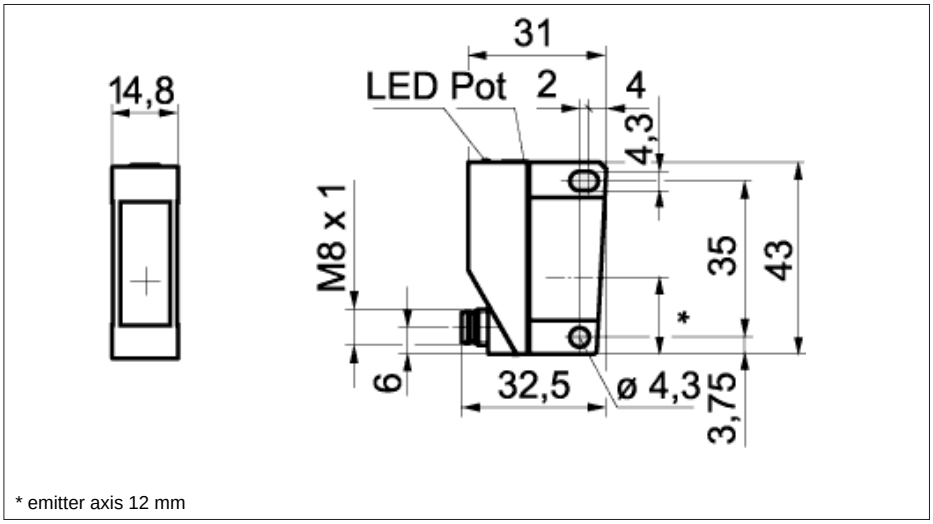
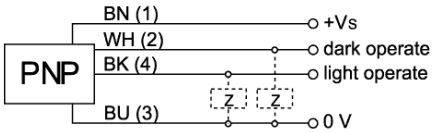
Diffuse sensors (Background suppression), plastic

FHDK 14P5101/S35A



* emitter axis 12 mm

Technical Data	
function	background suppression
sensing distance Tw	20 - 350 mm
sensing range Tb (at Tw min)	-
sensing range Tb (at Tw max)	-
output	PNP
output state	light/dark operate
housing style	rectangular
width /diameter	14,8 mm
height	43 mm
depth	31 mm
housing material	plastic (PBT-ASA)
connection	connector
operating range	-
beam focal point	-
repeatability	-
min. detectable contrast	-
output indicator	yellow LED
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	35 / 40 mA
switching current	< 100 mA
voltage drop	< 2,2 VDC
response time / release time	< 1 ms
sensitivity adjustable	mechanical, 10 turn
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