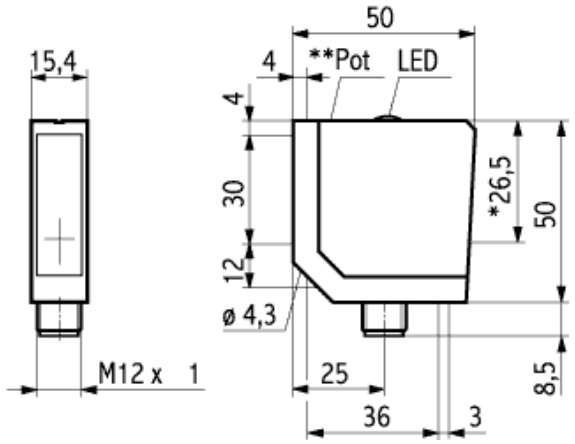
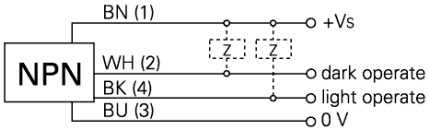
Retro-reflective sensors (Polarization filter), rectangular, metal
FPDM 16N5105/S14



* emitter axis
** Pot only on versions FPDM 16x5105 und FPDM 16x5105/S21

Technical Data	
polarization filter	yes
function	retro-reflective sensor (rrs)
emitter / receiver	-
output	NPN
output state	light/dark operate
housing style	rectangular
width /diameter	15,4 mm
height	50 mm
depth	50 mm
housing material	die-cast zinc
connection	connector
nominal range Sn	0 - 9 m
actual range Sb	0 - 7,3 m
beam focal point	-
repeatability	-
output indicator	LED yellow
alignment aid / soiled lens indicator	flashing LED
wave length	660 nm
light source	pulsed red diode
laser class (norm)	-
voltage supply range +Vs	10 - 30 VDC
supply current average/peak value	26 / 36 mA
switching current	< 200 mA
voltage drop	< 1,8 VDC
response time / release time	< 1 ms
automatic adjustment time	-
min. pulse length teach signal	-
sensitivity adjustable	potentiometer
short circuit protection	yes
reverse polarity protection	yes
temperature range	-25 ... +65 °C
protection class	IP 67
connectors	ES 14, ES 24, ESW 33A, ESG 34A

photo

connection diagram