Fork sensors Series 14

Series 14

Gap width 3 mm

Type		non-pulsed infrared light
PNP	light operate	
	dark operate	FEG 14.24.35
	light/dark operate	
NPN	light operate	
	dark operate	FEG 14.24.15
	light/dark operate	

technical data	
tooth / gap	0,8 mm
scan depth	8 mm
repeatability	< 0,01 mm
hysteresis	< 0,1 mm
switching frequency	< 50 KHz
light source / wave length	infrared LED / 935 nm
voltage supply range	4,5 - 30 VDC
max. supply current average value / peak value	24 mA / 24 mA
max. switching current	100 mA
voltage drop	≤ 1 VDC
response time / release time	≤ 10 µs / ≤ 10 µs
short circuit protection	no
reverse polarity protection	yes / +Vs
temperature range	-25...+65 °C
housing material	brass nickel plated
protection class	IP 67

Pulse disks			
	pulse rate	1	IPS 70/1
	pulse rate	60	IPS 70/60
	pulse rate	100	IPS 70/100

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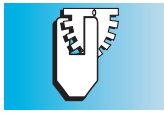
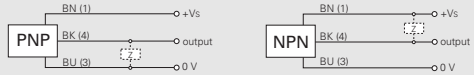


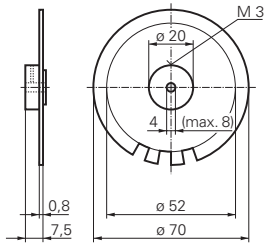
Series 14

- **Tubular metal housing M14 x 1**
- **Very fast switching frequency up to 50 kHz**
- **Easy mounting**

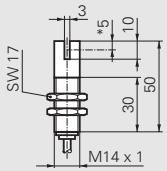
connection diagrams



Pulse disk IPS



material: aluminum black
standard pulse rates: 1, 60, 100
part number see preceding page



* emitter axis