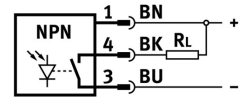


# Fork light barrier SOOF-P-FL-ST-C80-N

Part number: 553566

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
Symbol	00991640
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Position
Measuring principle	Optoelectronic
Method of measurement	Fork light barrier
Type of light	Red
Minimum object diameter	0.5 mm
Ambient temperature	-10 °C ... 60 °C
Repetition accuracy	0.03 mm
Switching output	NPN
Switching element function	Switchable
Hysteresis	≤0.25 mm
Max. switching frequency	2000 Hz
Max. output current	100 mA
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	30 mA
Reverse polarity protection	for operating voltage connections
Electrical connection	3-pin M8x1 Plug
Size	Clevis 80x55 mm
Fork gap	80 mm
Product weight	35 g
Housing material	PC
Switching status indication	LED yellow
Setting options	Teach-in
Degree of protection	IP67
Insulation voltage	500 V
Surge resistance	0.8 kV

<b>Feature</b>	<b>Value</b>
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3