

# Fork light barrier

## SOOF-P-FL-ST-C50-P

Part number: 553563

FESTO

Polymeric design.



## Data sheet

Feature	Value
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Fork light barrier
Type of light	Red
Minimal object diameter	0.3 mm
Ambient temperature	-10 ... 60 °C
Repetition accuracy	0.03 mm
Switch output	PNP
Switching element function	Switchable
Hysteresis	≤ 0.25 mm
Max. switching frequency	2,000 Hz
Max. output current	100 mA
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	30 mA
Polarity protected	For operating voltage connections
Electrical connection	3-pin M8x1 Plug
Size	Clevis 50x55 mm
Fork gap	50 mm
Product weight	30 g
Material housing	PC
Operating status display	Yellow LED
Setting options	Teach-In
Protection class	IP67
Insulation voltage	500 V
Surge strength	0.8 kV
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Degree of contamination	3