

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

Part number: 553566

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Symbol	00991640
Approval	RCM c UL us - Listed (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Fork light barrier
Type of light	Red
Min. 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 current rating	Pulsed
Operational voltage range DC	10 V ... 30 V
Residual ripple	10%
No-load supply current	30 mA
Reverse polarity protection	For operating voltage connections
Electrical connection	M8x1 Plug
Electrical connection 1, connection type	Plug
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Size	Clevis 80x55 mm
Fork gap	80 mm
Product weight	35 g
Material housing	Makrolon®
Switching status indication	Yellow LED

Feature	Value
Setting options	Teach-in
Degree of protection	IP67
Insulation voltage	500 V
Immunity to surge	0.8 kV
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3