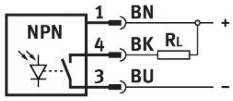
Fork light barrier
SOOF-P-FL-ST-C50-N

Part number: 553564





Data sheet

Feature	Value
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with 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
Measurement method	Fork light barrier
Type of light	Red
Min. object diameter	0.3 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	3-pin M8x1 Plugs
Electrical connection 1, connection type	Plugs
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	Snap-locking Screw-type lock Not rotatable

Feature	Value
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Size	Fork 50x55 mm
Fork gap	50 mm
Product weight	30 g
Material housing	PC
Switching status indication	Yellow LED
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