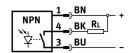
Fork light barrier SOOF-P-FL-ST-C80-N

FESTO

Part number: 553566





General operating condition

Certification RCM compliance mark c UL us - Listed (OU) CE marking (see declaration of conformity) As per EU EMC directive As per EU RoMS 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 Ambient temperature -10 °C 60 °C Repetition accuracy 0.03 mm Switching element function Switchable Hysteresis 40.25 mm Max. switching frequency 2000 Hz Max. soutput current 100 mA Short-circuit protection Pulsed Oct operating voltage range Reverse polarity protection for operating voltage connections Reverse polarity protection Fork gap Product weight Housing material PC Switching status indication LED yellow Switching status indication LED yellow Switching status indication LED yellow Switching status indication	Feature	Value
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As per EU ROHS directive UKCA marking (see declaration of conformity) To UK ROHS instructions for EMC TO UK ROHS instructions Note on materials RoHS-compliant Measured variable Position Measurement Fork light barrier Type of light Red Minimum object diameter Ambient temperature -10 °C 60 °C Repetition accuracy 0.03 mm Switching element function Switchable Hysteresis so.25 mm Max. switching frequency Max. switching frequency Dusped	Certification	
Note on materials Measured variable Measuring principle Method of measurement Type of light Minimum object diameter Ambient temperature Repetition accuracy Switching element function Max. output current Short-circuit protection DC operating voltage range Residularipple Idle current Agree polarity protection Electrical connection Size Fork gap Product weight House Residue Agree Royles voltage range Royles on material For UR RoHS instructions Royles on position Aphison Position Optoelectronic Position Red Red Red Red Red Red Red Re	CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Measured variable Measuring principle Optoelectronic Method of measurement Type of light Mender Minimum object diameter Ambient temperature -10 °C 60 °C Regetition accuracy O.33 mm Switching output NPN Switching element function Switchable Hysteresis -0.25 mm Max. switching frequency Max. output current 100 mA Short-circuit protection Do operating voltage range Residual ripple In % Idle current 30 mA Reverse polarity protection Flectrical connection Size Clevis 80x55 mm Fordy aga Product weight Housing material Fe C Switching status indication Lope Residual right aga Bo mm Product weight Housing material Fe C Switching status indication LED yellow	UKCA marking (see declaration of conformity)	
Mesauring principle Method of measurement Type of light Red Minimum object diameter Ambient temperature Ambient temperature Repetition accuracy O.03 mm Switching output NPN Switching element function Switching frequency Max. switching frequency Max. output current Short-circuit protection DC operating voltage range Idle current Alde current Sees polarity protection Feeterse polarity protection Feeterse polarity protection Feeterse Size Clevis 80x55 mm Fork gap Product weight Housing material Feeterse Fork gap Fork light barrier Fork light	Note on materials	RoHS-compliant
Method of measurement Type of light Red Minimum object diameter Ambient temperature Ambient temperature Repetition accuracy Switching output NPN Switching element function Max. switching frequency Max. output current DC operating voltage range In 0 v 30 v Residual ripple Idle current 30 mA Reverse polarity protection Electrical connection Size Clevis 80x55 mm 80 mm Product weight Housing material PC Switching status indication Fork light barrier Fork light barrier Red 0.5 mm Red 0.5 mm Am. Am. O.5 mm Am. O.7 mm Am. O.8 mm Am. O.9 mm Am. O	Measured variable	Position
Type of light Red Minimum object diameter Ambient temperature -10 °C 60 °C Repetition accuracy 0.03 mm Switching output NPN Switching element function 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 % Red Audit current 30 mA Reverse polarity protection For operating voltage connections Electrical connection Size Clevis 80x55 mm Fork gap Product weight Housing material PC Switching status indication LED yellow	Measuring principle	Optoelectronic
Minimum object diameter Ambient temperature Annient temperature Annie	Method of measurement	Fork light barrier
Ambient temperature	Type of light	Red
Repetition accuracy Switching output NPN Switching element function Switchable Hysteresis 40.25 mm Max. switching frequency Max. output current 100 mA Short-circuit protection DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current 30 mA Reverse polarity protection Flectrical connection 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight Housing material PC Switching status indication LED yellow LED yellow	Minimum object diameter	0.5 mm
Switching output NPN Switching element function Switchable ### Switching frequency ### Switching status indication ### Swit	Ambient temperature	-10 °C 60 °C
Switching element function Hysteresis 40.25 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 Electrical connection 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight Housing material PC Switching status indication Switchable 20.25 mm 80.25 mm 80.25 mm Switchable 2000 Hz 2000 H	Repetition accuracy	0.03 mm
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	Switching output	NPN
Max. switching frequency Max. output current 100 mA Short-circuit protection DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current 30 mA Reverse polarity protection Electrical connection Size Clevis 80x55 mm Fork gap Product weight Housing material PC Switching status indication 2000 Hz 100 mA 100 m	Switching element function	Switchable
Max. output current Short-circuit protection DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current 30 mA Reverse polarity protection For operating voltage connections Selectrical connection 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight Housing material PC Switching status indication 100 mA Pulsed 10 V 30 V 10 % 1	Hysteresis	≤0.25 mm
Short-circuit protection DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current 30 mA Reverse polarity protection For operating voltage connections 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight Housing material PC Switching status indication Pulsed Pulsed Pulsed 10 V 30 V Residual ripple 10 % So mA For operating voltage connections 3-pin M8x1 Plug Bo mm Product weight PC LED yellow	Max. switching frequency	2000 Hz
DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current 30 mA Reverse polarity protection For operating voltage connections 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight 35 g Housing material PC Switching status indication 10 V 30 V 80 mA 10 V 30 V 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 W	Max. output current	100 mA
Residual ripple 10 % Idle current 30 mA Reverse polarity protection for operating voltage connections Electrical connection 3-pin	Short-circuit protection	Pulsed
Addle 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	DC operating voltage range	10 V 30 V
Reverse polarity protection for operating voltage connections 3-pin M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight 35 g Housing material PC Switching status indication LED yellow	Residual ripple	10 %
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	Idle current	30 mA
M8x1 Plug Size Clevis 80x55 mm Fork gap 80 mm Product weight 35 g Housing material PC Switching status indication LED yellow	Reverse polarity protection	for operating voltage connections
Fork gap 80 mm Product weight 35 g Housing material PC Switching status indication LED yellow	Electrical connection	M8x1
Product weight 35 g Housing material PC Switching status indication LED yellow	Size	Clevis 80x55 mm
Housing material PC Switching status indication LED yellow	Fork gap	80 mm
Switching status indication LED yellow	Product weight	35 g
	Housing material	PC
Setting options Teach-in	Switching status indication	LED yellow
	Setting options	Teach-in
Degree of protection IP67	Degree of protection	IP67
Insulation voltage 500 V	Insulation voltage	500 V
Surge resistance 0.8 kV	Surge resistance	0.8 kV

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