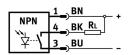
Fork light barrier SOOF-P-FL-ST-C50-N Part number: 553564

FESTO





General operating condition

Certification RCM compliance mark c.U. us - Listed (OL) CE marking (see declaration of conformity) As per EU RMC directive As per EU RMC direction A	Feature	Value
C UL us - Listed (OL) CE marking (see declaration of conformity) As per EU ROHS directive As per EU ROHS directive As per EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK ROHS instructions ROHS-compliant Measured variable Position Measuring principle Optoelectronic Measuring principle Optoelectronic Fork light barrier Type of light Red Minimum object diameter 0,3 mm Ambient temperature 1,0 °C 60 °C Repetition accuracy 0,03 mm Switching element function Switching element function Switching element function Switching frequency 2,000 Hz Max. switching frequency 2,000 Hz Max. switching frequency 1,00 mA Short-circuit protection Pulsed DC operating voltage range 1,0 °W 30 V Reverse polarity protection For operating voltage connections Electrical connection Size Clevis 50x55 mm Product weight Housing material PC Switching status indication LED yellow Estetting politons Letting instalation IED yellow Estetting politons Letting politons Letting status indication LED person to politom Instalation voltage Letting Instalation LED person to politom	Symbol	00991640
As per EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions RoHS-compliant Position Measuring principle Optoelectronic Method of measurement Type of light Red Minimum object diameter Ambient temperature Repetition accuracy O,03 mm Ambient temperature Repetition accuracy O,03 mm Switching element function Switching element function Switching element function Max. switching frequency DO operating voltage range 10 °C 60 °C Residual ripple Idle current 100 mA Short-circuit protection Pulsed Residual ripple Idle current 30 mA Reverse polarity protection For operating voltage connections Electrical connection Max. plus of the protection For operating voltage connections Size Fork gap Fork gap Forduct weight Bought grants Fork gap Forduct weight Fore Setting options Degree of protection In F67 Insulation voltage In Each-in Insulation voltage Insulat	Certification	
To UK RoHS instructions Note on materials RoHS-compliant Measured variable Position Measuring principle Optoelectronic Method of measurement Type of light Method of measurement Type of light Red Minimum object diameter Ambient temperature 10 °C 60 °C Repetition accuracy 0.03 mm NPN Switching output NPN Switching element function Switchable Hysteresis 0.25 mm Max. switching frequency 2000 Hz Max. output current 100 mA Short-circuit protection DC operating voltage range 10 °V 30 V Residual ripple 10 % Redeverse polarity protection For operating voltage connections Electrical connection Size Clevis 50x55 mm Fork gap Poduct weight 100 g Switching status indication LED yellow Ssetting optoest IED yellow Ssetting optoest IED yellow Ssetting optoest IED yellow Insulation voltage IED yellow Insulation voltage Insulation vo	CE marking (see declaration of conformity)	'
Measured variable Position Measuring principle Optoelectronic Method of measurement Fork light barrier Type of light Red Minimum object diameter 0.3 mm Ambient temperature 10° C 60° C Repetition accuracy 0.03 mm Switching output NPN Switching element function Switchable Hysteresis 0.0.25 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° Max	UKCA marking (see declaration of conformity)	
Mesauring principle Method of measurement Fork light barrier Type of light Red Minimum object diameter Jon C 60 °C Repetition accuracy Jon Smm Ambient temperature Jon C 60 °C Repetition accuracy Jon Smm Switching output NPN Switching output Switching element function Switching frequency Jon Barrier Max. switching frequency Max. output current Jon MA Short-circuit protection Pulsed Dec operating voltage range Jon Wax. Sees go Jon Max Reverse polarity protection Felectrical connection Reverse polarity protection Fork gap Fore generating voltage in generating voltage connections Felecting status indication LED yellow Setting options Feach-in Foregree of protection F	Note on materials	RoHS-compliant
Method of measurement Type of light Red Minimum object diameter Ambient temperature	Measured variable	Position
Fiye of light Red Minimum object diameter Ambient temperature -10 °C 60 °C Repetition accuracy 0.03 mm NPN Switching output NPN Switching element function Switching frequency 2000 Hz Max. switching frequency Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 10 °V 30 °V Residual ripple 10 % Redidle current 30 mA Reverse polarity protection Flectrical connection 3-pin M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection In 1976 Insulation voltage 10 V 30 V	Measuring principle	Optoelectronic
Minimum object diameter Ambient temperature -10 °C 60 °C Repetition accuracy 0.03 mm NPN Switching output NPN Switching element function Switchable Hysteresis s.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 Electrical connection 3-pin M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection Insulation voltage 10 V 30 V	Method of measurement	Fork light barrier
Ambient temperature Repetition accuracy O.03 mm Switching output NPN Switching element function Switching fequency Switching frequency Max. switching frequency Max. switching frequency Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 10 V 30 V Residual ripple 10 % Getterrent 30 mA Reverse polarity protection Fletctrical connection Size Clevis 50x55 mm Fork gap Product weight Housing material PC Switching status indication Setting options Teach-in Insulation voltage O.03 mm NPN Switchable Switching status indication Size Clevis 500 V	Type of light	Red
Repetition accuracy 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 50x55 mm Fork gap Fork gap Forduct weight Housing material PC Switching status indication Setting options Teach-in Degree of protection In 1P67 Insulation voltage Switching status indication LED yellow Insulation voltage 500 V	Minimum object diameter	0.3 mm
Switching output 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 50x55 mm Fork gap 50 mm Product weight Housing material PC Switching status indication Setting options Teach-in Degree of protection Insulation voltage 500 V	Ambient temperature	-10 °C 60 °C
Switching element function Hysteresis s0.25 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 50x55 mm Fork gap 50 mm Product weight Housing material PC Switching status indication Setting options Teach-in Degree of protection Insulation voltage 500 V	Repetition accuracy	0.03 mm
Hysteresis solution of the protection solution s	Switching output	NPN
Max. switching frequency 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 50x55 mm Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection Insulation voltage	Switching element function	Switchable
Max. output current 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 Max1 Plug Size Clevis 50x55 mm Fork gap Fork gap 50 mm Product weight Housing material PC Switching status indication Electring options Teach-in Degree of protection 100 mA	Hysteresis	≤0.25 mm
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 50x55 mm Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication Electrical operating voltage connections 1	Max. switching frequency	2000 Hz
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 50x55 mm Fork gap 50 mm Product weight 400 mg For year year year year year year year yea	Max. output current	100 mA
Residual ripple Idle current 30 mA Reverse polarity protection For operating voltage connections Selectrical connection Size Clevis 50x55 mm Fork gap Forduct weight Switching status indication Setting options Degree of protection Idle current 10 % 10 % 10 mA 11 m	Short-circuit protection	Pulsed
Idle current Reverse polarity protection For operating voltage connections 3-pin M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication EED yellow Setting options Degree of protection IP67 Insulation voltage 50 mA 3-pin M8x1 Plug Sox 50x55 mm 50 mm 50 mm Fork gap For Gebre	DC operating voltage range	10 V 30 V
Reverse polarity protection Electrical connection 3-pin M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight 40 yellow Switching status indication Setting options Degree of protection Insulation voltage for operating voltage connections 3-pin M8x1 Plug Clevis 50x55 mm 50 mm 90 mm 10	Residual ripple	10 %
Electrical connection 3-pin M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 50 V	Idle current	30 mA
M8x1 Plug Size Clevis 50x55 mm Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Reverse polarity protection	for operating voltage connections
Fork gap 50 mm Product weight 30 g Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Electrical connection	M8x1
Product weight 30 g Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Size	Clevis 50x55 mm
Housing material PC Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Fork gap	50 mm
Switching status indication LED yellow Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Product weight	30 g
Setting options Teach-in Degree of protection IP67 Insulation voltage 500 V	Housing material	PC
Degree of protection IP67 Insulation voltage 500 V	Switching status indication	LED yellow
Insulation voltage 500 V	Setting options	Teach-in
	Degree of protection	IP67
Surge resistance 0.8 kV	Insulation voltage	500 V
	Surge resistance	0.8 kV

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