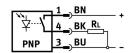
## Fork light barrier SOOF-P-FL-ST-C50-P Part number: 553563







General operating condition

Certification RCM compliance mark cut us - Listed (0L)  CE marking (see declaration of conformity)  As per EU BMC directive As per EU BMC direction As per EU BMC direction As per EU BMC direction As per EU BMC directive As per EU BMC direction As	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 ENC TO UK ROHS instructions  Note on materials 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 0,25 mm  Max. switching frequency 0,20 mm  Max. output current 100 mA  Short-circuit protection Pulsed DC operating voltage range 10 °W 30 °W  Revises polarity protection For operating voltage connections Electrical connection Size Clevis 50x55 mm  Product weight Housing material PC Switching status indication LED yellow  Estetting politons Feach-in Electrical contection Perece of protection PERECENTION PERECENTED PERECENTION PERECENTI	Symbol	00991641
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 output PNP Switching element function Switchable Hysteresis So.2.5 mm Max. switching frequency Max. output current 100 mA Short-circuit protection Do operating voltage range Residual ripple dide current 30 mA Reverse polarity protection For kgap For kgap For kgap For kgap For kgap For document For Kesting status indication LED yellow Eesting status indication LED yellow Eesting status indication LED yellow Eesting status indication LED politons LED politons LED politons LED yellow Eesting status indication LED person LED politons LED politons LED person LED politons LED person LED perso	Certification	
To UK RoHS instructions  Note on materials  Measured variable Position  Measuring principle Optoelectronic  Method of measurement Type of light Method of measurement Type of light Red Minimum object diameter Ambient temperature Position Repetition accuracy O.33 mm Ambient temperature Repetition accuracy O.33 mm  PNP Switching output PNP Switching element function Switchable Hysteresis So.25 mm Max. switching frequency DC operating voltage range Poulsed DC operating voltage range Poulsed Reverse polarity protection DC operating voltage range Poulsed Reverse polarity protection Clectrical connection Reverse polarity protection Plug Size Clevis 50x55 mm For kgap Product weight Housing material PC Switching status indication PC PC Switching PC PC Switching PC PC Switching PC PC Switching PC PC Switchin	CE marking (see declaration of conformity)	'
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 output PNP  Switching element function Switchable  Hysteresis \$0.25 mm  Max. switching frequency 2000 Hz  Max. switching frequency 100 mA  Short-circuit protection Pulsed  DC operating voltage range 10 V 30 V  Resedual ripple 10 %  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  Setting options Teach-in  Electrical convoltage  LED yellow  Setting optors  Insulation voltage  Sou V	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 3 mm Ambient temperature Jon °C 60 °C Repetition accuracy Jon 3 mm Switching output PNP Switching output Switching element function Switching frequency Jon Haysteresis So. 25 mm Max. switching frequency Jon Haysteresis So. 25 mm Jon Haysteresis So. 25 mm Jon Haysteresis So. 25 mm Jon Haysteresis J	Note on materials	RoHS-compliant
Method of measurement Type of light Red Minimum object diameter Ambient temperature -10 °C 60 °C Repetition accuracy	Measured variable	Position
Fiye of light  Red  Minimum object diameter  Ambient temperature  -10 °C 60 °C  Repetition accuracy  0.03 mm  PNP  Switching output  PNP  Switching element function  Max. switching frequency  Max. output current  100 mA  Short-circuit protection  Pulsed  DC operating voltage range  10 V 30 V  Residual ripple  10 %  Aldie current  30 mA  Reverse polarity protection  Electrical connection  3-pin  M8x1  Plug  Size  Clevis 50x55 mm  Fork gap  Forduct weight  Housing material  PC  Switching status indication  LED yellow  Setting options  Teach-in  Insulation voltage  10 V 30 V	Measuring principle	Optoelectronic
Minimum object diameter  Ambient temperature  -10 °C 60 °C  Repetition accuracy  0.03 mm  PNP  Switching output  PNP  Switching element function  Switchable Hysteresis  s.0.25 mm  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  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 PNP Switching element function Switchable Hysteresis so.25 mm Max. switching frequency Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 10 V 30 V Residual ripple Idle current 30 mA Reverse polarity protection Flectrical connection Size Clevis 50x55 mm Fork gap Product weight Housing material PC Switching status indication LED yellow Setting options Teach-in Insulation voltage Ins	Type of light	Red
Repetition accuracy  Switching output  PNP  Switching element function  Switchable  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  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	PNP
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 M8x1 Plug  Size  Clevis 50x55 mm  Clevis 50x55 mm  Fork gap  Fork gap  Forduct weight  Housing material  PC  Switching status indication  Electring options  Teach-in  Degree of protection  Insulation voltage  100 mA  Pulsed  10 V 30 V  Electrical connection  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 %  10 MAX  10 Max  11 Max  11 Max  12 Max  13 Max  14 Max  15 Max  16 Max  16 Max  17 Max  18 M	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  Electrical connection  3-pin M8x1 Plug  Size  Clevis 50x55 mm  Fork gap  50 mm  Product weight  40 g  Housing material  PC  Switching status indication  Setting options  Degree of protection  Pulsed  10 V 30 V  Residual ripple  10 %  10 %  10 W  Revised  10 W  Revised  10 V 30 V  Residual ripple  10 W  Resid	Max. switching frequency	2000 Hz
DC operating voltage range  Residual ripple  10 %  Residual ripple  10 %  Reverse polarity protection  Electrical connection  3-pin M8x1 Plug  Size  Clevis 50x55 mm  Fork gap  50 mm  Product weight  400 mg  Forduct weight  50 mg  Found weight  60 mg  Found weight  Found weig	Max. output current	100 mA
Residual ripple Idle current 30 mA Reverse polarity protection Felectrical connection For operating voltage connections  Size Clevis 50x55 mm Fork gap Forduct weight Switching status indication Felectrical connection Forking options Felectrical connection Forking options Forking option	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  30 mA  6ro operating voltage connections  3-pin M8x1 Plug  Sox 50x55 mm  50 mm  50 mm  10 mm  1	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  PC  Sum  Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and a sum Begin and Begin a	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