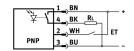
## Fiber-optic unit SOE4-FO-L-HF2-1P-M8

Part number: 552796







General operating condition

Design Conforms to standard EN KO947-5-2 Symbol O0991649 Certification RCM compliance mark c.U. us. Listed (OI) CE marking (see declaration of conformity) As per EU EM Cdirective As per GU RoHS distertive UKCA marking (see declaration of conformity) To UK instructions for EMC 10 UK RoHS instructions Measured variable Position Measuring principle Optoelectronic Method of measurement Fiber-optic unit Type of light Red Mutual interference Protected Up to four devices mounted directly next to each another Ambient temperature 20°C60°C Switching output PMP Switching delement function Switchable Max. switching frequency 1500 Hz Max. output current 100 mA Voltage drop 4.2.4V Timer function Pulsed DC operating voltage range 10 V30 V Residual ripple 10 % Idle current 2.25 mA Reverse polarity protection Function With through-hole With Hrail Mounting position Any Product weight 17 g Housing material ABS Display LED Switching leten LED switching leten LED switching leten LED switching material LED switching material LED switching leten LED switching material LED switching material LED switching material LED switching material LED switching experience LECTIFICATION LED green	Feature	Value
Symbol 00991649 Certification RCM compliance mark cUL us - Listed (OL) CE marking (see declaration of conformity) As per EU EMC directive As per EU EMC directive As per EU ROMS directive CUL us - Listed (OL)  UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK ROHS instructions  Measured variable Position Measured variable Position Measuring principle Optoelectronic Method of measurement Fiber-optic unit Type of light Red Mutual interference Protected Up to four devices mounted directly next to each another  Ambient temperature 20 °C 60 °C Switching output PMP Switching frequency 1500 Hz Max. switching frequency 1500 Hz Max. switching frequency 1500 Hz Max. output current 100 mA Voltage drop 2.4 AV Timer function 1-2000 ms Short-circuit protection Pulsed DC operating voltage range 10 °V 30 V Residual ripple 10 °8 Reviews polarity protection For all electrical operating voltage connections Electrical connection Aping Reverse polarity protection For all electrical operating voltage connections Electrical connection With H-rail Mounting position Any Product weight 17 g Housing material ABS Display LED yellow	Design	Block design
Certification RCM compliance mark c UL us - Usted (OL)  CE marking (see declaration of conformity)  As per EU EMC directive As per EU ROHS directive  UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK ROHS instructions  Measured variable Position  Measuring principle Optoelectronic  Method of measurement Fiber-optic unit Type of light Red Mutual interference Protected Up to four devices mounted directly next to each another  Ambient temperature 20°C 60°C  Switching output PMP  Switching element function Switching element function Max. switching frequency 1500 Hz  Max. output current 100 mA  Voltage drop 22.4 V  Timer function 1 - 2000 ms  Short-circuit protection Pulsed DC operating voltage range 10 V 30 V  Residual ripple Idle current 225 mA  Reverse polarity protection for all electrical operating voltage connections Electrical connection Max. 17 g With H-rail Mounting position Any Product weight 1 18 Housing material ABS Display LED Switching status indication LED yellow	Conforms to standard	EN 60947-5-2
CUL us - Listed (OL)  EE 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  Measured variable Position  Measuring principle Optoelectronic  Method of measurement Fiber-optic unit Type of light Red Mutual interference Protected Up to four devices mounted directly next to each another  Ambient temperature 2-20 °C 60 °C  Switching output PNP Switching element function Switchable Max. switching frequency 1500 Hz Max. output current 100 mA  Voltage drop 22.4 V  Timer function 1 - 2000 ms  Short-circuit protection Pulsed DC operating voltage range 10 V 30 V  Residual ripple Idle current 225 mA  Reverse polarity protection Fiber optic unit With Hrough-hole With Hrail Mounting position Any  Product weight 17 g Housing material Display LED Switching status indication  LED yellow  Witching status indication  LED yellow  LED yellow  Position To UK instructions for EMC To UK instructions or EMC To UK instructions of EMC To UK instructions or EMC To UK instructions To	Symbol	00991649
As per EU ROHS directive  UKCA marking (see declaration of conformity)  To UK instructions for EMC TOUR ROHS instructions  Measured variable  Measuring principle  Optoelectronic  Method of measurement  Type of light  Mutual interference  Protected Up to four devices mounted directly next to each another  Ambient temperature  -20 °C 60 °C  Switching element function  Max. switching frequency  Max. output current  100 mA  Voltage drop  1-2000 ms  Short-circuit protection  DC operating voltage range  10 V 30 V  Residual ripple  Idle current  225 mA  Reverse polarity protection  Flectrical connection  Max. average  With Hr-rail  Mounting position  Any  Product weight  LED  Switching status indication	Certification	
Measured variable Position  Measuring principle Optoelectronic  Method of measurement Fiber-optic unit  Type of light Red  Mutual interference Protected Up to four devices mounted directly next to each another  Ambient temperature 20°C 60°C  Switching output PNP  Switching element function Switching frequency 1500 Hz  Max. switching frequency 1500 Hz  Max. output current 100 mA  Voltage drop 2.2.4 V  Timer function 1.2000 ms  Short-circuit protection Pulsed  DC operating voltage range 10 V 30 V  Residual ripple 10%  Glide current 2.25 mA  Reverse polarity protection for all electrical operating voltage connections  Electrical connection With H-rail  Mounting position Any  Product weight 17 g  Housing material ABS  Display LED  Switching status indication LED yellow	CE marking (see declaration of conformity)	· ·
Measuring principle     Optoelectronic       Method of measurement     Fiber-optic unit       Type of light     Red       Mutual interference     Protected Up to four devices mounted directly next to each another       Ambient temperature     -20 °C 60 °C       Switching output     PNP       Switching lement function     Switchable       Max. switching frequency     1500 Hz       Max. output current     100 mA       Voltage drop     \$2.4 V       Timer function     1 - 2000 ms       Short-circuit protection     Pulsed       DC Operating voltage range     10 %       Idle current     \$25 mA       Reverse polarity protection     for all electrical operating voltage connections       Electrical connection     4-pin Msk1 Prilug       Type of mounting     With through-hole With H-rail       Mounting position     Any       Product weight     17 g       Housing material     ABS       Display     LED       Switching status indication     LED yellow	UKCA marking (see declaration of conformity)	
Method of measurement       Fiber-optic unit         Type of light       Red         Mutual interference       Protected Up to four devices mounted directly next to each another         Ambient temperature       -20 °C 60 °C         Switching output       PNP         Switching element function       Switchable         Max. switching frequency       1500 Hz         Max. output current       100 mA         Voltage drop       ≤2.4 V         Timer function       1 - 2000 ms         Short-circuit protection       Pulsed         DC operating voltage range       10 %         dle current       ≤25 mA         Reverse polarity protection       for all electrical operating voltage connections         Electrical connection       4-pin M8x1 Plug         Type of mounting       With through-hole With H-rail         Mounting position       Any         Product weight       17 g         Housing material       ABS         Display       LED         Switching status indication       LED yellow	Measured variable	Position
Type of light  Mutual interference  Mutual interference  Protected Up to four devices mounted directly next to each another  Ambient temperature  -20 °C 60 °C  Switching output  PNP  Switching element function  Max. switching frequency  Max. output current  100 mA  Voltage drop  s2.4 V  Timer function  1 - 2000 ms  Short-circuit protection  Pulsed  DC operating voltage range  10 ∨ 30 ∨  Residual ripple  Idle current  s25 mA  Reverse polarity protection  Full electrical operating voltage connections  Lectrical connection  4-pin M8x1 Plug  Type of mounting  Mounting position  Any  Product weight  Housing material  ABS  Display  Switching status indication  LED  Switching status indication  LED yellow	Measuring principle	Optoelectronic
Mutual interference Protected Up to four devices mounted directly next to each another Ambient temperature 20 °C 60 °C Switching output PNP Switching element function Switching frequency 1500 Hz Max. switching frequency 100 mA Voltage drop \$2.4 V Timer function \$1 - 2000 ms Short-circuit protection Pulsed DC operating voltage range 10 V 30 V Residual ripple 10 % Idle current \$25 mA Reverse polarity protection for all electrical operating voltage connections Electrical connection With H-rail Mounting position Any Product weight 17 g Housing material ABS Switching status indication LED yellow	Method of measurement	Fiber-optic unit
Ambient temperature       20 °C 60 °C         Switching output       PNP         Switching lement function       Switchable         Max. switching frequency       1500 Hz         Max. output current       100 mA         Voltage drop       \$2.4 V         Timer function       1 - 2000 ms         Short-circuit protection       Pulsed         DC operating voltage range       10 V 30 V         Residual ripple       10 %         Idle current       \$25 mA         Reverse polarity protection       for all electrical operating voltage connections         Electrical connection       4-pin M8x1 Plug         Type of mounting       With through-hole With H-rail         Mounting position       Any         Product weight       17 g         Housing material       ABS         Display       LED         Switching status indication       LED yellow	Type of light	Red
Switching output PNP Switching element function Switchable Max. switching frequency 1500 Hz Max. output current 100 mA Voltage drop \$\frac{2.4}{4}\$V  Timer function 1-2000 ms Short-circuit protection Pulsed DC operating voltage range 10 V 30 V  Residual ripple 10 % Idle current \$25 mA  Reverse polarity protection for all electrical operating voltage connections  Electrical connection 4-pin M8x1 Plug  Type of mounting With through-hole With H-rail  Mounting position Any Product weight 17 g Housing material ABS  Display LED Switching status indication LED yellow	Mutual interference	
Switching element function  Max. switching frequency  Max. output current  100 mA  Voltage drop  2.4 V  Timer function  1 - 2000 ms  Short-circuit protection  Pulsed  DC operating voltage range  10 V 30 V  Residual ripple  10 %  Idle current  \$25 mA  Reverse polarity protection  for all electrical operating voltage connections  Electrical connection  4-pin M8x1 Plug  Type of mounting  With through-hole With H-rail  Mounting position  Any  Product weight  Housing material  Display  Switching status indication  Switchable  100 mA  1 - 2000 ms  2 - 2000 ms	Ambient temperature	-20 °C 60 °C
Max. switching frequency1500 HzMax. output current100 mAVoltage drop\$2.4 VTimer function1 - 2000 msShort-circuit protectionPulsedDC operating voltage range10 V 30 VResidual ripple10 %Idle current\$25 mAReverse polarity protectionfor all electrical operating voltage connectionsElectrical connection4-pin M8x1 PlugType of mountingWith through-hole With H-railMounting positionAnyProduct weight17 gHousing materialABSDisplayLEDSwitching status indicationLED yellow	Switching output	PNP
Max. output current100 mAVoltage drop\$2.4 VTimer function1 - 2000 msShort-circuit protectionPulsedDC operating voltage range10 V 30 VResidual ripple10 %Idle current\$25 mAReverse polarity protectionfor all electrical operating voltage connectionsElectrical connection4-pin M8x1 PlugType of mountingWith through-hole With H-railMounting positionAnyProduct weight17 gHousing materialABSDisplayLEDSwitching status indicationLED yellow	Switching element function	Switchable
Voltage drop \$2.4 V  Timer function \$1 - 2000 ms  Short-circuit protection Pulsed  DC operating voltage range \$10 V 30 V  Residual ripple \$10 %  Idle current \$25 mA  Reverse polarity protection for all electrical operating voltage connections  Electrical connection \$4-pin m8x1 plug  Type of mounting with H-rail  Mounting position Any  Product weight \$17 g  Housing material ABS  Display LED  Switching status indication LED yellow	Max. switching frequency	1500 Hz
Timer function 1 - 2000 ms  Short-circuit protection Pulsed  DC operating voltage range 10 V 30 V  Residual ripple 10%  Idle current \$25 mA  Reverse polarity protection for all electrical operating voltage connections  Electrical connection 4-pin M8x1 Plug  Type of mounting With through-hole With H-rail  Mounting position Any  Product weight 17 g  Housing material ABS  Display LED  Switching status indication LED yellow	Max. output current	100 mA
Short-circuit protection  DC operating voltage range  Residual ripple  Idle current  \$25 mA  Reverse polarity protection  Electrical connection  Type of mounting  Mounting position  Any  Product weight  Housing material  Display  Switching status indication  Pulsed  10 V 30 V  Residual ripple  10 %  10 %  4- pin M8x1 Plug  With through-hole With H-rail  Any  Product weight  LED  Switching status indication  Pulsed  10 V 30 V  Any  Pulsed  10 %  4- pin M8x1 Plug  A-pin M8x1 Plug  17 g  ABS  LED  Switching status indication	Voltage drop	≤2.4 V
DC operating voltage range  Residual ripple  10 %  Idle current  25 mA  Reverse polarity protection  Electrical connection  With through-hole With H-rail  Mounting position  Any  Product weight  Housing material  Display  Switching status indication  10 V 30 V  80 V	Timer function	1 - 2000 ms
Residual ripple Idle current \$25 mA  Reverse polarity protection For all electrical operating voltage connections  Electrical connection With through-hole With H-rail  Mounting position Any  Product weight Housing material ABS  Display  Switching status indication  10 %  4-pin M8x1 Plug  With through-hole With H-rail Any  LED  LED yellow	Short-circuit protection	Pulsed
Idle current <a href="#page-25">25 mA</a> Reverse polarity protection for all electrical operating voltage connections  Electrical connection	DC operating voltage range	10 V 30 V
Reverse polarity protection for all electrical operating voltage connections  Electrical connection	Residual ripple	10 %
Electrical connection  4-pin M8x1 Plug  Type of mounting  With through-hole With H-rail  Mounting position  Any  Product weight  17 g  Housing material  ABS  Display  LED  Switching status indication  4-pin M8x1 Plug  4-pin M8x1 Plug  4-pin M8x1 Plug  With through-hole With H-rail  Any  LED  LED yellow	Idle current	≤25 mA
M8x1 PlugType of mountingWith through-hole With H-railMounting positionAnyProduct weight17 gHousing materialABSDisplayLEDSwitching status indicationLED yellow	Reverse polarity protection	for all electrical operating voltage connections
Mounting positionMyth H-railProduct weight17 gHousing materialABSDisplayLEDSwitching status indicationLED yellow	Electrical connection	M8x1
Product weight 17 g Housing material ABS Display LED Switching status indication LED yellow	Type of mounting	
Product weight 17 g Housing material ABS Display LED Switching status indication LED yellow	Mounting position	Any
Housing material ABS Display LED Switching status indication LED yellow	Product weight	17 g
Switching status indication LED yellow	Housing material	ABS
	Display	LED
Function reserve indication LED green	Switching status indication	LED yellow
	Function reserve indication	LED green

Feature	Value
Setting options	Teach-in Teach-in via electrical connection
Degree of protection	IP64
Insulation voltage	50 V
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L