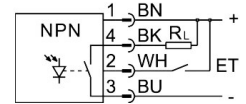


Fiber-optic unit SOE4-FO-D-HF2-1N-M8

Part number: 552800

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Symbol	00991647
Certification	RCM compliance mark c UL us - Listed (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	NPN
Switching element function	Switchable
Max. switching frequency	Standard mode 1000 Hz Fine mode 125 Hz Fast mode 8000 Hz High distance mode 125 Hz
Max. output current	100 mA
Voltage drop	≤2.4 V
Display	0000 - 4093
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
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	4

Feature	Value
Electrical connection 1, type of mounting	Snap-locking Screw-type lock not rotatable
Electrical connection 1, type of mounting	Compatible with latching lock Compatible with screw lock rotatable
Type of mounting	With through-hole With H-rail
Mounting position	Any
Product weight	17 g
Housing material	ABS
Display	LED display
Ready status indication	LED green
Switching status indication	LED yellow
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