

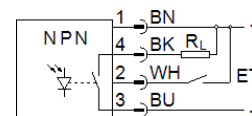
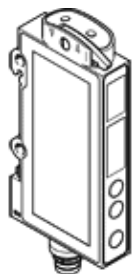
# fibre-optic unit

## SOE4-FO-D-HF2-1N-M8

Part number: 552800

FESTO

Ideal for material-independent small part detection.



## Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Fibre-optic unit
Type of light	Red
Mutual influence	Protected Up to four devices mounted directly next to one another
Ambient temperature	-20 ... 60 °C
Switch 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 strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	≤ 25 mA
Polarity protected	For all operating voltage connections
Electrical connection	4-pin M8x1 Plug
Mounting type	with through hole with top-hat rail
Assembly position	Any
Product weight	17 g
Material housing	ABS
Display	LED - display
Ready status display	Green LED
Operating status display	Yellow LED
Setting options	Teach-In Teach-in via electrical connection
Protection class	IP64
Insulation voltage	50 V
Corrosion resistance classification CRC	4 - Very high corrosion stress
PWIS conformity	VDMA24364-B2-L