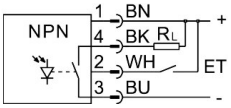
Fibre-optic unit
SOE4-FO-D-HF2-1N-M8

Part number: 552800





Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive 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 °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 LED display
Timer function	1 - 2000 ms
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Residual ripple	10 %
No-load supply current	25 mA
Reverse polarity protection	For all electrical operating voltage connections
Electrical connection	4-pin M8x1 Plugs

Feature	Value
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	4
Electrical connection 1, type of mounting	Snap-locking Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Type of mounting	With through-hole With H-rail
Mounting position	optional
Product weight	17 g
Material housing	ABS
Ready status indication	Green LED
Switching status indication	Yellow LED
Setting options	Teach-in Teach-in via electrical connection
Degree of protection	IP64
Insulation voltage	50 V
Corrosion resistance class CRC	4 - Very high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L