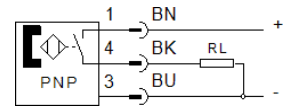
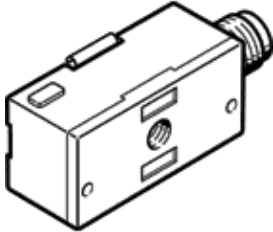


# proximity sensor SMT0-1-PS-S-LED-24-C

Part number: 151685

FESTO

With light emitting diode and integrated protective circuit, without mounting kit.



## Data sheet

Feature	Value
Design	Block design
Based on the standard	EN 60947-5-2
Authorisation	RCM Mark
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
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Magnetic inductive
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Hysteresis	0.1 ... 1.5 mm
Switch-on time	≤ 1 ms
Switch-off time	≤ 1 ms
Max. switching frequency	1 kHz
Max. output current	200 mA
Max. contact rating DC	6 W
Voltage drop	≤ 3 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Residual current	≤ 0.01 mA
Short circuit strength	Pulsing
Overload withstand capability	Available
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Mounting type	with accessories
Assembly position	Any
Product weight	20 g
Housing colour	Black
Material housing	PC PET POM Steel PUR Zinc die-casting
Operating status display	Yellow LED
Protection class	IP67
PWIS conformity	VDMA24364-B2-L