

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

Part number: 151685

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Design	Block design
Based on standard	EN 60947-5-2
Symbol	00991153
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Position
Measuring principle	Magneto-inductive
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.2 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.1 mm ... 1.5 mm
Switch-on time	≤1 ms
Switch-off time	≤1 ms
Max. switching frequency	1000 Hz
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	≤3 V
Inductive protective circuit	Adapted to MZ, MY, ME coils
Off-state current	≤0.01 mA
Short circuit current rating	Pulsed
Overload protection	Available
Operational voltage range DC	10 V ... 30 V
Residual ripple	10 %
Reverse polarity protection	For all electrical connections
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	3
Electrical connection 1, type of mounting	Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with latching lock Compatible with rotatable screw-type lock
Electrical connection 1, connection pattern	00991155
Connection outlet orientation	In-line

Feature	Value
Material electrical contact	Gold-plated brass
Type of mounting	With accessories
Mounting position	optional
Product weight	20 g
Housing colour	Black
Material housing	PC PET POM PUR Steel Die-cast zinc
Switching status indication	Yellow LED
Degree of protection	IP67
LABS (PWIS) conformity	VDMA24364-B2-L