

# Proximity sensor SMEO-8E-S-LED-24

Part number: 171163

FESTO



## Data sheet

Feature	Value
Type code	SMEO
Design	for T-slot
Conforms to standard	EN 60947-5-2
Symbol	00991148
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE RoHS-compliant
Measuring principle	Magnetic reed
Ambient temperature	-40 °C ... 60 °C
Switching output	Contact-based, bipolar
Switching element function	N/O contact
Reproducibility of switching value	+/- 0.1 mm
On time	≤0.5 ms
Switch-off time	0.03 ms
Max. switching frequency	800 Hz
Max. output current	500 mA
Min. switching capacity AC	10 VA
Max. switching capacity DC	10 W
Short-circuit protection	no
Overload protection	Not available
Operating voltage range AC	12 V ... 30 V
DC operating voltage range	12 V ... 30 V
Reverse polarity protection	no
Electrical connection	3-pin M8x1 Plug
Connection outlet orientation	Transverse
Material of pin contacts	Brass Nickel-plated
Type of mounting	With accessories
Tightening torque	0.5 Nm
Product weight	10 g
Housing material	Wrought aluminum alloy Brass TPE-U(PU) High-alloy stainless steel Nickel-plated

<b>Feature</b>	<b>Value</b>
Switching status indication	LED yellow
Degree of protection	IP65 IP67
Surge resistance	0.8 kV
Contamination level	3