

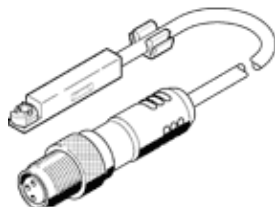
Proximity Sensor

SMT-8F-PS-24V-K0,3-M5D

Part number: 539493

FESTO

Electrical, contactless, PNP, for drives with sensor slot type 8, assembly from above with M5 plug.



Data sheet

Feature	Value
Operating voltage range DC	10 ... 30 V
Switch output	PNP/NPN
Switching element function	Normally open contact
Max. output current	100 mA
Cable length	0.3 m
Electrical connection	Cable with plug M5x0,5
Corrosion resistance classification CRC	2
Based on the standard	DIN EN 60947-5-2
Design	for T-slot
Assembly position	Any
Short circuit strength	Yes
Measured variable	Position
Measuring principle	Magnetostrictive
Polarity protected	for all electrical connections
Operating status display	Yellow LED
Switch-off time	7 ms $x \leq 11 \text{ ms}$
Switch-on time	0.5 ms
Inductive protective circuit	Integrated
Max. contact rating DC	3 W
Residual current	0.1 mA
Residual ripple	10 %
Voltage drop	1.8 V
Overload withstand capability	Available
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline
Protection class	IP65 IP67
Ambient temperature	-5 ... 60 °C -20 ... 60 °C
Authorisation	c UL us - Listed (OL) C-Tick
Tightening torque	0.6 Nm
Min. cable bending radius	30 mm
Product weight	10 g
Reproducibility of switching value	+/- 0,1 mm
Connector exit direction	axial
Cable type	LiFY11Y
Mounting type	Clamped in T-slot
Housing color	Black
Cable sheath color	Grey
Materials note	Free of copper and PTFE
Materials information, housing	PA
Material information, isolating sleeve	PVC
Materials information, cable sheaths	PUR
Material information for crimp connectors	Brass Gold plated