

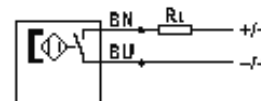
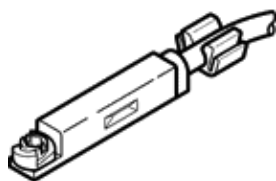
Proximity Sensor

SMT-8F-ZS-24V-K2,5-OE-EX

Part number: 525908

FESTO

Electrical, contactless, 2-wire connection, for actuators with 8 mm sensor slot, top mounting, with cable.



Data sheet

Feature	Value
Design	for T-slot
Conforms to standard	DIN EN 60947-5-2
Authorization	C-Tick
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU-Ex protection guideline (ATEX)
Explosion protection	Zone 2 (ATEX) Zone 22 (ATEX)
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex nA II T4 X
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex td A22 IP65/67 T110°C X
Explosion-proof ambient temperature	-25°C ≤ Ta ≤ +55°C
Materials note	Free of copper and PTFE
Measuring principle	Inductive
Ambient temperature	-25 ... 55 °C
Switch output	PNP
Switching element function	Normally open contact
Reproducibility of switching value	+/- 0,1 mm
Switch-on time	≤ 1.6 ms
Switch-off time	≤ 1.6 ms
Max. switching frequency	300 Hz
Max. output current	100 mA
Max. contact rating DC	3 W
Voltage drop	≤ 5.6 V
Residual current	≤ 0.8 mA
Short circuit strength	Yes
Overload withstand capability	Available
Operating voltage range DC	10 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	2-core Cable
Connector exit direction	axial
Cable length	2.5 m
Cable attribute	Standard
Materials information, cable sheaths	PUR
Mounting type	Clamped in T-slot Insertable in slot from above
Max. tightening torque	0.6 Nm
Product weight	22 g
Materials information, housing	PA-reinforced
Operating status display	Yellow LED
Ambient temperature	-5 ... 55 °C
Protection class	IP65 IP67
Insulation voltage	50 V
Degree of contamination	3