Long-distance proximity sensor,

Sensing distance 25 mm, DC 3-wire,

PNP, NO, Pre-wired models, 2 m,E2K
C25MF1

URL:https://www.sxplc.com/long-distance-proximity-sensor-sensin g-distance-25-mm-dc-3-wire-pnp-no-pre-wired-models-2-m-e2kc25mf1

Product data sheet

Sensing head size	34 dia.
Туре	Cylinder type, Capacitive type, Unshielded

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Power source	DC Three-wires models
Sensing distance	25 mm
Setting distance	3 to 25 mm

Differential distance	15% max. of sensing distance (when adjusted to 25 mm ±10% with standard object)
Sensing object	Conductor and dielectrics
Standard sensing object	With grounded metal 50 x 50 x 1 mm
Response frequency	70 Hz (Average value)

Power supply voltage	12 to 24 VDC ripple (p-p) 10% max.
Operating voltage range	10 to 30 VDC
Current consumption	at 24 VDC: 16 mA max. at 12 VDC: 10 mA max.

Control output (Output type)	PNP
Control output (Switching capacity)	200 mA max.
Control output (Residual voltage)	2 V max. (Load current 200 mA with cable length of 2 m)
Indicator	Detection indicator (red)

Sensitivity setting Sensitivity adjuster	Operation mode	NO
	Sensitivity setting	Sensitivity adjuster
Protective circuit Reverse polarity protection Surge suppressor	Protective circuit	

Ambient temperature (Operating)	-25 to 70 ?
Ambient temperature (Storage)	-25 to 70 ?
Ambient humidity (Operating)	35 to 95 %
Ambient humidity (Storage)	35 to 95 %

Temperature influence	±15% max. of sensing distance at 23 ? in the temperature range of ?10 to 55 ? ±25% max. of sensing distance at 23 ? in the temperature range of ?25 to 70 ?
Voltage influence	±2% max. of sensing distance at rated voltage in the rated voltage ±15% range
Insulation resistance	Between charged parts and the case: 50 M? min. at 500 VDC

Dielectric strength	Between charged parts and the case: 1,000 VAC 50/60 Hz 1 min
Vibration resistance	Destruction: 10 to 55 Hz, 1.5 mm double amplitude each in X, Y, and Z directions for 2 h
Shock resistance	Destruction: 500 m/s ² 10 times each in X, Y, and Z directions

Degree of protection	IEC: IP66
Connection method	Pre-wired models (2 m)
Weight	Package: Approx. 200 g



