E2KQ-X10ME1 2M



Product Overview

Proximity sensor, inductive, PTFE body, short, M18, shielded, 6-10 mm adjustable, NPN, NO, DC, 2 m cable

Specifications

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Updated: 2026/03/28

Sensing head size	61.8 mm
Sensing head size	M18
Type	Capacitive type
Type	Unshielded
Type	Cylinder type (with screw)
Power source	DC Three-wires models
Sensing distance	10 mm
Setting distance	6 to 10 mm
Differential distance	4 to 20% of sensing distance
Sensing object	Conductor and dielectrics
Standard sensing object	With grounded metal 50 x 50 x 1 mm
Response frequency	35 Hz
Power supply voltage	12 to 24 VDCripple (p-p) 10% max.
Operating voltage range	10 to 30 VDC
Current consumption	15 mA max.
Control output (Output type)	NPN
Control output (Switching capacity)	100 mA max.
Control output (Residual voltage)	1.5 V max.(Load current 100 mA with cable length of 2 m)
Indicator	Detection indicator (red)
Operation mode	NO
Sensitivity setting	Sensitivity adjuster

Protective circuit	Reverse polarity protection;Surge suppressor
Ambient temperature (Operating)	-10 to 55 °C
Ambient temperature (Storage)	-25 to 55 °C
Ambient humidity (Operating)	35 to 85%
Ambient humidity (Storage)	35 to 85%
Temperature influence	±15% max. of sensing distance at 23 °C in the temperature range of −10 to 55 °C
Voltage influence	±2% max. of sensing distance at rated voltage in the rated voltage ±20% range
Insulation resistance	50 MΩ min. at 500 VDC(Between charged parts and the case)
Dielectric strength	500 VAC 50/60 Hz 1 min(Between charged parts and the case)
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 3 times each in X, Y and Z directions
Degree of protection	IP66(IEC) / Oil-proof(Company standard)
Connection method	2 m
Connection method	Pre-wired models
Weight	Approx. 150 g(Package)
Material	(Case) Fluoride resin / (Sensing surface) Fluoride resin / (Cable) PVC / (Clamping nuts) Fluoride resin
Accessories	Instruction manual;Adjustment Driver

Standards certification

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UL	No
CSA	No
CE	Yes
CCC	N/A
Marine	No

Yes: Certified / Conform No: Not certified / Not conform N/A: Out of Scope

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