

# KTX-06 Series SENSOR SWITCH



KTX-06R White



## Ordering Code

KTX - 06 □

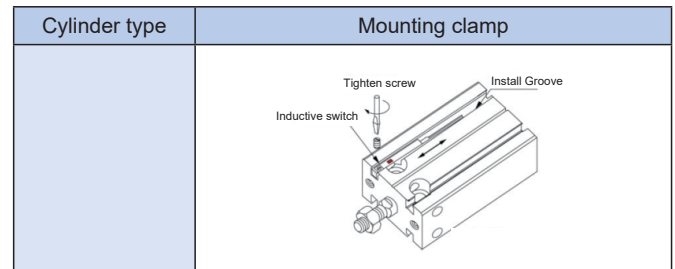
MODEL

- 06R** : Reed switch
- 06D** : Non-contact
- 06N** : NPN
- 06P** : PNP

WIRE LENGTH

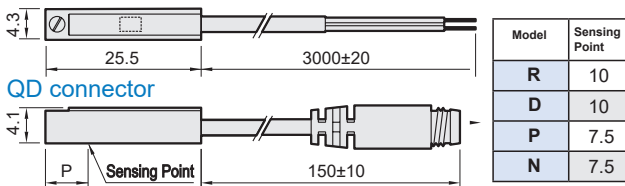
- 3M**: L=3000mm
- \* Special order is available.

## Assembling style



## Dimension

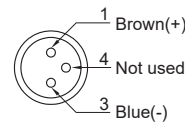
Standard lead wire



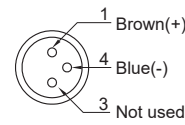
QD connector

## Wiring of the QD

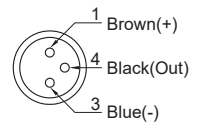
• 2 wire QD wiring



• 2 wire EQD wiring



• 3 wire QD wiring



## Specification

Model	KTX-06R	KTX-06D	KTX-06N	KTX-06P
Wiring method	2 wire		3 wire	
Switching logic	SPST normally open	Solid state output, normally open		
Switch Type	Reed switch	Non-contact	NPN current sinking	PNP current sinking
Operating voltage	5~240V DC/AC	10~28V DC	5~30V DC	
Switching current	100mA max.	50mA max.	200mA max.	
Contact rating (*1)	10W max.	50mA max.	6W max.	
Current consumption (*5)		40µA Max. @24v	8 mA@24V DC max.	
Voltage drop (*5)	2.5V max.	2.8V max.	1V@200mA max.	
Leakage current (*5)	-	90µA Max	0.01mA Max	
Indicator	Red LED			
Cable	ø2.6, 2C, PVC	ø2.6, 2C, PVC	ø2.6, 3C, PVC	
Temperature range	-10~+70°C (No freezing)		-10~+70°C (No freezing)	
Shock (*2)	30G	50G	50G	
Vibration (*3)	9 G		9 G	
Enclosure classification	IEC 529 IP67(NEMA 6)		IEC 529 IP67(NEMA 6)	
Protection circuit (*4)	1	2, 4	3, 4	3, 4
Weight	30 g (3m cable)			

\*1. **Warning:** Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.

\*2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11ms each time.

\*3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.

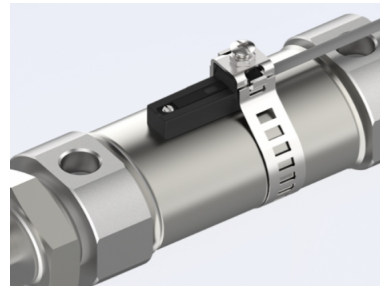
\*4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression.

\*5. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 3M length. Voltage drop increases in pace with cable length.

# KTX-07 Series SENSOR SWITCH



KTX-07 White



## Ordering Code

KTX - 07

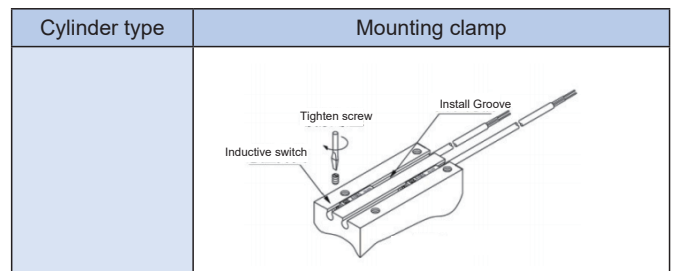
MODEL

**07R** : Reed switch  
**07D** : Non-contact  
**07N** : NPN  
**07P** : PNP

WIRE LENGTH

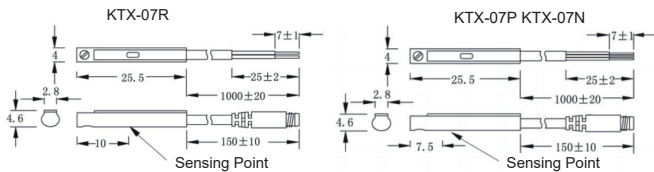
1M: L=1000mm  
 2M: L=2000mm  
 3M: L=3000mm

## Assembling style



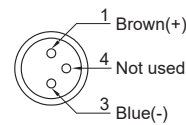
## Dimension

Standard lead wire

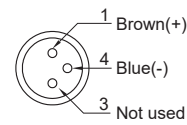


## Wiring of the QD

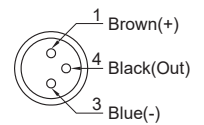
• 2 wire QD wiring



• 2 wire EQD wiring



• 3 wire QD wiring



## Specification

Model	KTX-07R	KTX-07D	KTX-07N	KTX-07P
Wiring method	2 wire		3 wire	
Switching logic	SPST normally open	Solid state output, normally open		
Switch Type	Reed switch	Non-contact	NPN current sinking	PNP current sinking
Operating voltage	5~240V DC/AC	10~28V DC	5~30V DC	
Switching current	100mA max.	50mA max.	200mA max.	
Contact rating (*1)	10W max.	50mA max.	6W max.	
Current consumption (*5)		40µA Max. @24v	8 mA@24V DC max.	
Voltage drop (*5)	2.5V max.	2.8V max.	1V@200mA max.	
Leakage current (*5)	-	90µA Max	0.01mA Max	
Indicator	Red LED			
Cable	ø2.6, 2C, PVC	ø2.6, 2C, PVC	ø2.6, 3C, PVC	
Temperature range	-10~+70°C (No freezing)		-10~+70°C (No freezing)	
Shock (*2)	30G	50G	50G	
Vibration (*3)	9 G		9 G	
Enclosure classification	IEC 529 IP67(NEMA 6)		IEC 529 IP67(NEMA 6)	
Protection circuit (*4)	1	2, 4	3, 4	3, 4

\*1. **Warning:** Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.

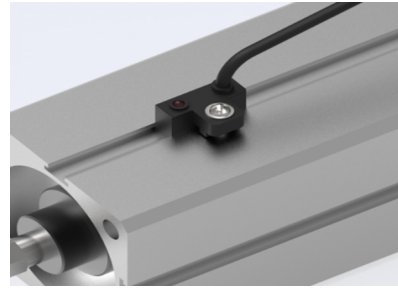
\*2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11 ms each time.

\*3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.

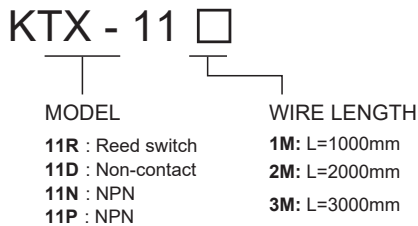
\*4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression.

\*5. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 2M length. Voltage drop increases in pace with cable length.

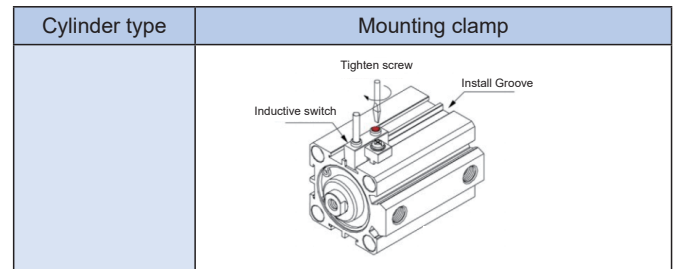
# KTX-11 Series SENSOR SWITCH



## Ordering Code

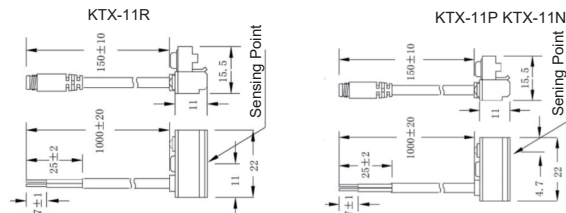


## Assembling style



## Dimension

### Standard lead wire

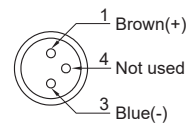


## Specification

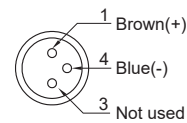
Model	KTX-11R	KTX-11D	KTX-11N	KTX-11P
Wiring method	2 wire		3 wire	
Switching logic	SPST normally open	Solid state output, normally open		
Switch Type	Reed switch	Non-contact	NPN current sinking	PNP current sinking
Operating voltage	5~240V DC/AC	10~28V DC	5~30V DC	
Switching current	100mA max.	50mA max.	200mA max.	
Contact rating (*1)	10W max.	50mA max.	6W max.	
Current consumption (*5)		40µA Max. @24v	8 mA@24V DC max.	
Voltage drop (*5)	2.5V max.	2.8V max.	1V@200mA max.	1V@200mA max.
Leakage current (*5)	—	90µA Max	0.01mA Max	
Indicator	Red LED			
Cable	ø3.3, 2C, PVC	ø3.3, 2C, PVC	ø3.3, 3C, PVC	
Temperature range	-10~+70°C (No freezing)		-10~+70°C (No freezing)	
Shock (*2)	30G	50G	50G	
Vibration (*3)	9 G		9 G	
Enclosure classification	IEC 529 IP67(NEMA 6)		IEC 529 IP67(NEMA 6)	
Protection circuit (*4)	1	2, 4	3, 4	3, 4

## Wiring of the QD

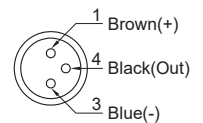
• 2 wire  
QD wiring



• 2 wire  
EQD wiring



• 3 wire  
QD wiring



\*1. **Warning:** Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.

\*2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11 ms each time.

\*3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.

\*4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression.

\*5. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 2M length. Voltage drop increases in pace with cable length.