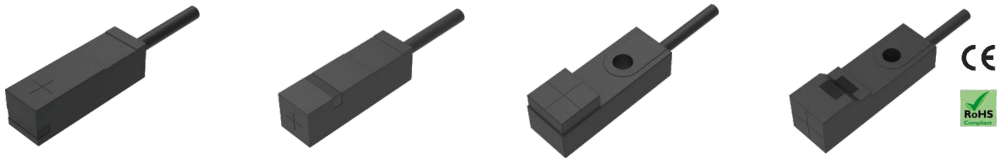
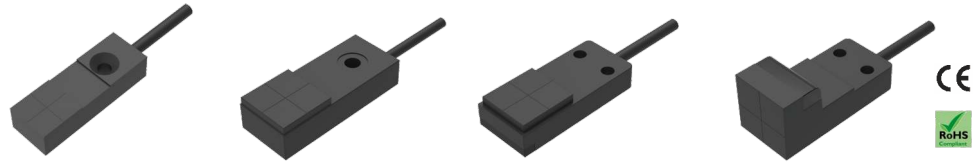


Mini-square-TE Series

Pre-wired



Basic Features	Working principle	Inductive sensor			
	Housing	Mini blocks			
	Installation type	Non-flush			
	Sensing distance	1.0mm ± 15%		2.5mm ± 10%	
	Thread size	—			
	Sensing surface material	PC			
	Detected objects	Metal			
	Indicator	Operation Status: LED			
	Sensing range adjustment	None			
Electrical data	Switching output	Normally Open or Normally Closed			
	Output mode	NPN or PNP Open Collector			
	External input	None			
	Switching frequency	0.5kHz		0.8kHz	
	Repeatability	5%		1%	
	Hysteresis	15%			
	Operating Voltage	10~30V DC ± 10%			
	Current consumption	≤10mA			
	Residual Voltage	≤1.5V			
	Load current	100mA		150mA	
	Leakage current	<0.01mA			
	Insulation resistance	≥50MΩ with 500V DC between power terminals and enclosure			
	Dielectric strength	1,000 VAC, 50/60 Hz for 1 min between power terminals and enclosure			
	Vibration resistance	10 to 55 Hz, 1.5 mm double amplitude, 2 hours for each X, Y, and Z directions			
	Circuit Protection	—		Short circuit protection	
Environmental conditions	Operating Temperature	-25~-+75℃			
	Operating Humidity	35~85%			
	Enclosure rating	IP67			
	Mechanical data	Connection type	2m/3-core Cable		
Dimension		20.4x6.4x6.2mm	20.4x6.3x6.1mm	23.5x8.4x8.0mm	25.5x8.4x8.0mm
Material		Plastic+PC			
Weight		0.05kg			
Accessories		—			
Model	NPN NO	TEN06-01NO	TEN07-01NO	TEN08-2.5NO	TEN09-2.5NO
	Others	NO:NPN Normally open	NC:NPN Normally closed	PO:PNP Normally open	PC:PNP Normally closed



Basic Features	Working principle	Inductive sensor						
	Housing	Mini blocks						
	Installation type	Non-flush						
	Sensing distance	2.5mm ± 10%	4.0mm ± 10%	5.0mm ± 10%	8.0mm ± 10%	5.0mm ± 10%	8.0mm ± 10%	
	Thread size	—						
	Sensing surface material	PC						
	Detected objects	Metal						
	Indicator	Operation Status: LED						
	Sensing range adjustment	None						
Electrical data	Switching output	Normally Open or Normally Closed						
	Output mode	NPN or PNP Open Collector						
	External input	None						
	Switching frequency	0.8kHz	0.2kHz	1kHz		0.5kHz		
	Repeatability	5%	1%					
	Hysteresis	15%						
	Operating Voltage	10~30V DC ± 10%						
	Current consumption	≤10mA						
	Residual Voltage	≤1.5V						
	Load current	150mA						
	Leakage current	<0.01mA						
	Insulation resistance	≥50MΩ with 500V DC between power terminals and enclosure						
	Dielectric strength	1,000 VAC, 50/60 Hz for 1 min between power terminals and enclosure						
	Vibration resistance	10 to 55 Hz, 1.5 mm double amplitude, 2 hours for each X, Y, and Z directions						
	Environmental conditions	Circuit Protection	Short circuit protection					
Operating Temperature		-25~+75℃						
Operating Humidity		35~85%						
Enclosure rating		IP67						
Mechanical data	Connection type	2m/3-core Cable						
	Dimension	30.5x10.4x6.6mm	30.5x12.4x8mm	34.5x15.4x8.0mm		34.5x16.4x15.0mm		
	Material	Plastic+PC						
	Weight	0.05kg						
	Accessories	—						
Model	NPN NO	TEN10-2.5 ^[NO]	TEN10-04 ^[NO]	TEN12-04 ^[NO]	TEN15-05 ^[NO]	TEN15-08 ^[NO]	TEN16-05 ^[NO]	TEN16-08 ^[NO]
	Others	^[NO] :NPN Normally open ^[NC] :NPN Normally closed ^[PO] :PNP Normally open ^[PC] :PNP Normally closed						

Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Area

Ultrasonic

AI Image

Code Readers

Vibration

Temperature

RFID

Safety door lock

Pressure Switch

Communication

Accessories

Guidance

Inductive sensors

Standard distance

Extended distance

Long distance

Square

Mini-square

Mini-cylindrical

Short-body

Ring-type

Metal face

Temperature

resistance type

IP69K high protection

Anti-Slag

Analog output

DC 2 wires

Capacitive sensors

Cylindrical

Correction

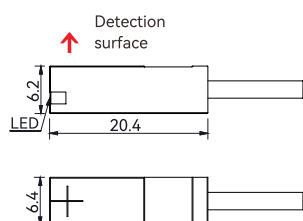
resistance type

Flat type

Level detection

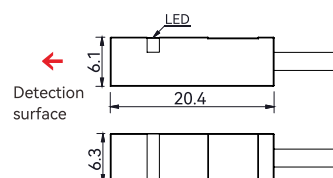
E06

TEN06-01□□



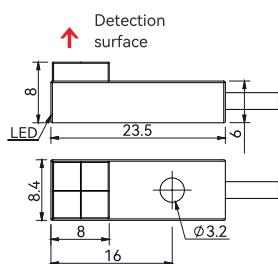
E07

TEN07-01 □□



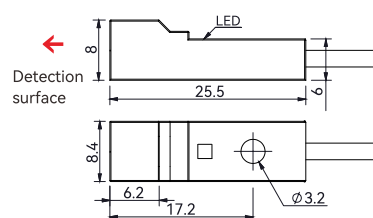
E08

TEN08-2.5/03□□



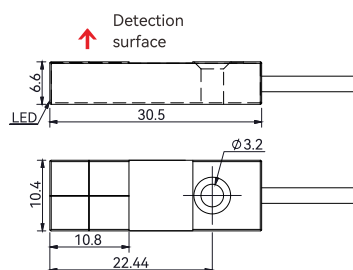
E09

TEN09-2.5/03□□



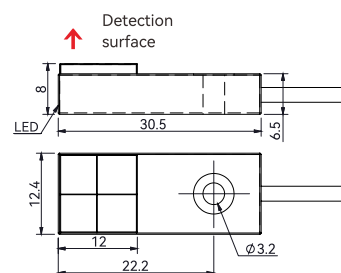
E10

TEN10-2.5/04□□



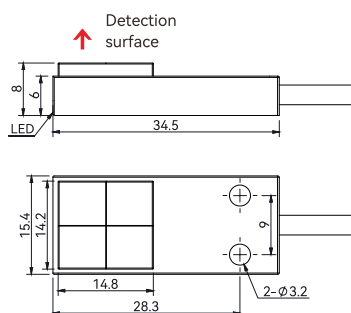
E12

TEN12-04□□



E15

TEN15-05/08□□



E16

TEN16-05/08□□

