

# TE TUOKE PROXIMITY SENSOR



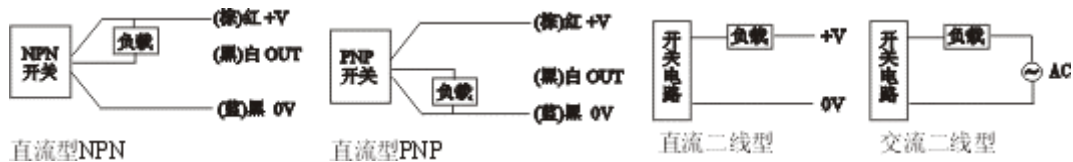
## FEATURES

1. Surge protection function
2. Long life cycle and high reliability
3. Red led indicator for monitoring the operation

## 1. ORDERING CODE



## 2.CONNECTION DIAGRAM



## 3.MODEL AND SPECIFICATION

### ■ DC.INDUCTANCE PROXIMITY SENSOR

Model	NPN	TE-SN5C	TE-SNC5C	TE-SN10C	TE-SNC10C	TE-SN20C	TE-SNC20C
	PNP	TE-SP5C	TE-SPC5C	TE-SP10C	TE-SPC10C	TE-SP20C	TE-SPC20C
shape and install size							
Object		Steel 18×18×1mm		Steel 30×30×1mm		Steel 40×40×1mm	
Stipulate distance		5mm		10mm		20 mm	
Mounting distance		0-4.0mm		0-8.0mm		0-16.0mm	
Frquency		≤600HZ		≤200HZ		≤100HZ	
Hysteresis		Less than 10% Stipulate distance					
Power voltage		DC12V-24V(DC 10-30V)					
control output		Resistive load:max 200mA Inductive load:max 100mA					
Residual voltage		≤2V (at DC 24V 200mA)					
Leakage current		<0.5mA(at DC 24V)					
Ambient temperature		-10℃~+65℃(-25℃~+70℃)					
Dielectric strength		≥100MΩ (at DC 500V)					
Dielectric strength		AC 1000V 1min (at 50/60Hz)					

Indication	LED (NPN 型 Red LED、PNP 型 Green LED)
Degree of protection	IP66 (U、IEC)
Material	Case: ABS Fase: ABS

Model	NPN	TE-12N4C	TE-12NC4C	TE-18N8C	TE-18NC8C	TE-30N15C	TE-30NC15C
	PNP	TE-12P4C	TE-12PC4C	TE-18P8C	TE-18PC8C	TE-30P15C	TE-30PC15C
shape and install size							
Object	Steal 12×12×1mm		Steal 18×18×1mm		Steal 30×30×1mm		
Stipulate distance	4mm		8mm		15 mm		
Mounting distance	0-3.2mm		0-6.4mm		0-12mm		
Frquency	≤400HZ		≤200HZ		≤100HZ		
Hysteresis	Less than 10% Stipulate distance						
Power voltage	DC12V-24V(DC 10-30V)						
control output	Resistive load:max 200mA Inductive load:max 100mA						
Residual voltage	≤2V (at DC 24V 200mA)						
Leakage current	<0.5mA(at DC 24V)						
Ambient temperature	-10℃ ∞ +65℃ (-25℃ ∞ +70℃)						
Dielectric strength	≥100M Ω (at DC 500V)						
Dielectric strength	AC 1000V 1min (at 50/60Hz)						
Indication	LED (NPN 型 Red LED、PNP 型 Green LED)						
Degree of protection	IP66 (U、IEC)						
Material	Case: Brass Fase: ABS						

Model	NPN	TE-18N10C	TEC-18NC10C	TEC-22NC15C	TEC-22NC15C	TEC-30N15C	TEC-30NC25C
	PNP	TE-18P10C	TEC-18PC10C	TEC-22PC10C	TEC-22PC15C	TEC-30P15C	TEC-30PC25C
shape and install size							
Object	Steal 12×12×1mm		Steal 18×18×1mm		Steal 30×30×1mm		
Stipulate distance	8mm		12mm		25 mm		

Mounting distance	0-6.4mm	0-12mm	0-25mm
Frquency	$\leq 200\text{HZ}$	$\leq 100\text{HZ}$	$\leq 50\text{HZ}$
Hysteresis	Less than 10% Stipulate distance		
Power voltage	DC12V-24V(DC 10-30V)		
control output	Resistive load:max 200mA Inductive load:max 100mA		
Residual voltage	$\leq 2\text{V}$ (at DC 24V 200mA)		
Leakage current	$< 0.5\text{mA}$ (at DC 24V)		
Ambient temperature	$-10^{\circ}\text{C} \sim +65^{\circ}\text{C}$ ( $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$ )		
Dielectric strength	$\geq 100\text{M}\Omega$ (at DC 500V)		
Dielectric strength	AC 1000V 1min (at 50/60Hz)		
Indication	LED (NPN 型 Red LED、PNP 型 Green LED)		
Degree of protection	IP66 (U、IEC)		
Material	Case: Brass Fase: ABS		

#### 4.HANDLING DEMAND

Handing the proimity sensor as follow to reliable acte,if used in an area surrounded by metal or juxtapose them.(Sn:Sensing distance)

