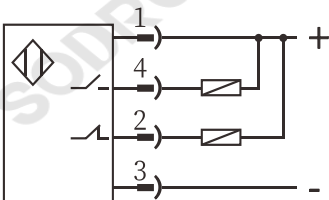
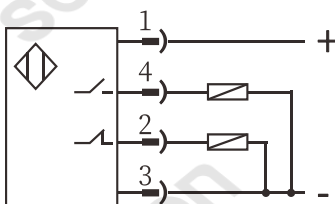
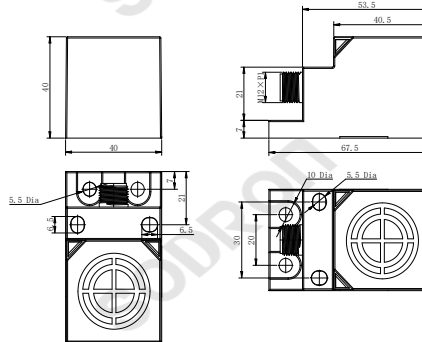


**Model**

ST40F-40D□C-E

Product Features

- Simple structure, easy installation
- IEC IP67
- Complementary dual output
- Sensing distance 40mm
- Front-end sensing

Connection**NPN****PNP****Dimension****Technical parameters**

Model	ST40F-40DNC-E	ST40F-40DPC-E
Output mode	NPN	PNP
Output state	NO+NC	
Sensing distance	40mm±10%	
Set distance	0~28mm	
Power supply	10~60V DC	
Current consumption	<15mA(No load)	
Standard target	120X120X1mm (Iron sheet)	
Response frequency	120Hz	
Repeat accuracy	< 5% (Sensing distance)	
Temperature effect	-40~80°C, within ±20% of sensing distance at 23°C	
Hysteresis error	1%~15% (Sensing distance)	
Load Current	<200mA	
Residual Voltage	≤2.5V (Load current:200mA , 2m wire)	
Indicator light	Power: Green LED (Powered) Op: Orange LED (Output ON)	
Circuit protection	Reverse polarity connection protection, short-circuit protection, Overload protection, surge protection	
Ambient temperature	Work&Storage: -40°C~ + 80°C	
Ambient humidity	Work&Storage: 35~95% (No dew condensation or icing allowed)	
Withstand Voltage	1000 VAC, 50/60 Hz, 1 min.	
Insulation resistance	> 20MΩ (DC500V megger) between current-carrying parts and case	
Anti-vibration	10~55Hz, double amplitude 1.5mm, X, Y, Z axes, 2h	
Anti-impact	3 shocks of 500 m/s ² (approx. 50 G) in X, Y and Z axes	
Protection degree	IEC IP67	
Connection	M12 male connector	
Material	Housing	PA66
	Connector	Brass nickel-plated