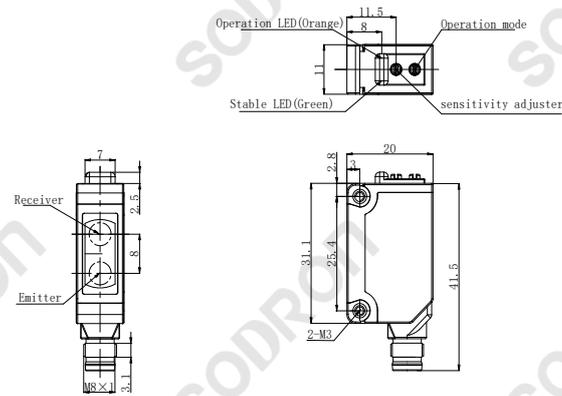


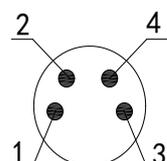


Dimension



Model	Technical parameters	
PF31V-D01BNS-E1 PF31V-D01BPS-E1	Sensing method	Diffuse Reflective Type
	Model	NPN PF31V-D01BNS-E1 PNP PF31V-D01BPS-E1
	Standard target	1m(Adjustable Distance)
Product Features	Output mode	200*200 Reflectivity 90% White Cardboard
<ul style="list-style-type: none"> Diffuse Reflective Type, Infrared light 850nm Adopts ASIC, featuring fast response and high frequency IEC IP67 	Light source	Light ON/Dark ON adjustable
	Supply power	Infrared light 850nm
	Residual Voltage	DC 12 ~ 24V ±10% impulse(P-P) < 10%(DC10-30V)
	Current consumption	2V max(Load current ≤ 100mA)
	Load Current	< 20mA
	Load Current	≤ 100mA
Connection	Circuit protection	Reverse connection protection, Short circuit protection
NPN	Response time	< 1ms
	Indicator light	Output: Orange LED Stable: Green LED
	Connection	Connector Type (M8 4-pin Male Plug)
	Ambient temperature	Work: -25 ~ +55°C; Store: -30 ~ +70°C (No dew condensation or icing allowde)
	Ambient humidity	Work: 35 ~ 85%RH, Store: 35 ~ 95%RH, (No dew condensation)
	Ambient illumination	Sunlight: 10,000Lx Lamplight: 3,000Lx
	Withstand Voltage	1000VAC, 50/60Hz, 1min, between current-carrying parts and case
	Insulation resistance	> 20MΩ (DC500V megger) between current-carrying parts and case
	Anti-vibration	10~55HZ double-amplitude 1.5mmX,Y,Z 2H
	Anti-impact	500m/S ² X, Y,Z, directions for 3 times
	Protection degree	IEC IP67
	Material	Housing PBT Lens PMMA

Terminal Serial Number and Function Table



Terminal No.	Technical parameters
1	+V
2	No connection
3	0V
4	output
