### **Rectangular, Flat Type Proximity Sensor**

#### Features

- Easy to mount in narrow space by flat structure (height: 10mm)
- Improved the noise immunity with dedicated IC (DC type)
- Built-in reverse polarity protection circuit, over-current protection circuit (DC type)
- Built-in surge protection circuit
- Red LED operation indicator
- IP67 protection structure (IEC standard)
- Replaceable for micro switches and limit switches





# Type ODC 3-wire type

#### Appearance

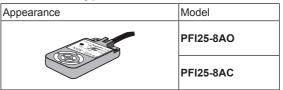
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Model
PFI25-8DN
PFI25-8DP
PFI25-8DN2 💥
PFI25-8DP2 ※

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#### ◎ AC 2-wire type



※ mark can be customized.

#### Specification

		PFI25-8AO PFI25-8AC	
Upper side	4		
8mm	8mm		
Max. 10%	Max. 10% of sensing distance		
rget 25×25×1m	25×25×1mm (iron)		
0 to 5.6mm	0 to 5.6mm		
(10-30VD0		100-240VAC (85-264VAC)	
Max. 10m	Ą	Max. 2.5mA	
y <sup>×1</sup> 200Hz		20Hz	
Max. 1.5V		Max. 10V	
Max. ±10%	o for sensing distance at ambient	temperature 20°C	
Max. 200n	ıA	5 to 150mA	
e Over 50Ms	2 (at 500VDC megger)		
1,500VAC	50/60Hz for 1 minute	2,500VAC 50/60Hz for 1 minute	
1mm ampl	itude at frequency of 10 to 55Hz	(for 1 min) in each X, Y, Z direction for 2 hours	
500m/s² (a	pprox. 50G) in each X, Y, Z direc	tion for 3 times	
Operation	indicator: Red LED		
nperature -25 to 70°C	-25 to 70°C, storage: -30 to 80°C		
midity 35 to 95%	35 to 95%RH, storage: 35 to 95%RH		
		Surge protection circuit	
Ø4mm, 3-1	wire, 2m	Ø4mm, 2-wire, 2m	
AWG22, C	AWG22, Core diameter: 0.08mm, Number of cores: 60, Insulator out diameter: Ø1.25		
Case: PPS	Case: PPS, Standard cable (black): Polyvinyl chloride (PVC)		
IP67 (IEC	standard)		
CE			
Approx. 70	Jg		
	PFI25-8DN           Upper side           8mm           Max. 10%           irget         25×25×1m           0 to 5.6mm           12-24VDC           (10-30VDC           0mm           200Hz           Max. 10%           max. 10m/           by*1           200Hz           Max. 10%           Max. 200m           Max. 200m           Max. 200m           S00m/s² (a           Operation           mperature           25 to 95%           Surge prot           Reverse prot           Over-curre           Ø4mm, 3-v           AWG22, C           Case: PPS           PIP67 (IEC streemed)	PF125-8DN2         PF125-8DP2           Upper side         8mm           Max. 10% of sensing distance           arget         25×25×1mm (iron)           0 to 5.6mm           12-24VDC (10-30VDC)           (10-30VDC)           0n/           Max. 10mA           cy*1           200Hz           Max. 1.5V           Max. 200mA           Over 50MΩ (at 500VDC megger)           1,500VAC 50/60Hz for 1 minute           1mm amplitude at frequency of 10 to 55Hz           500m/s² (approx. 50G) in each X, Y, Z direct           Operation indicator: Red LED           mperature           -25 to 70°C, storage: -30 to 80°C           midity         35 to 95%RH, storage: 35 to 95%RH           Surge protection circuit, Reverse polarity protection circuit, Over-current protection circuit, Qver-current protection circuit           Ø4mm, 3-wire, 2m           AWG22, Core diameter: 0.08mm, Number of Case: PPS, Standard cable (black): Polyvin	

%1: The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

XEnvironment resistance is rated at no freezing or condensation.

## Rectangular, Flat Type

