

Mutual-interference & Influence by Surrounding Metals

Parallel

When several proximity sensors are mounted closely, malfunction of sensor may be caused due to mutual interference. Therefore, be sure to provide a minimum distance between the two sensors with referring to the chart below





When sensors are mounted on metallic panel, it is required to protect the sensors from being affected by any metallic object except target.



			(Unit: mm)	
PRDCM(L)12-8D	PRDCM(L)18-7D	PRDCM(L)18-14D	PRDCM(L)30-15D	PRDCM(L)30-25D
48	42	84	90	150
36	36	54	60	90
11	0	14	0	15
36	18	54	30	90
24	21	42	45	75
36	27	54	45	90



Therefore please check the sensing distance like (a), then pass the target within range of setting distance(Sa).

[Table 1]

of the	product,	apply
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	Strength	Front		Rear
Model		Size	Torque	Torque
PRDCM12	Flush	13mm	6.37N·m 11.76N·m	
Series	Non-flush	7mm		
PRDCM18	Flush	-	14.7N∙m	
Series	Non-flush	-		
PRDCM30	Flush	26mm	49N∙m 78.4N∙m	
Series	Non-flush	12mm		



. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.

. 12-24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device

4. Wire as short as possible and keep away from high voltage lines or power lines, to prevent surge and inductive noise.

Do not use near the equipment which generates strong magnetic force or high frequency noise (transceiver, etc.).

In case installing the product near the equipment which generates strong surge (motor, welding machine, etc.), use diode or varistor

