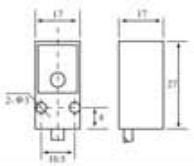
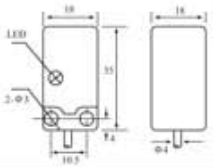
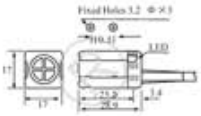
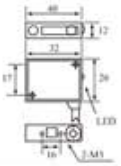
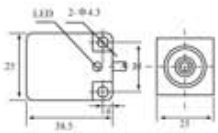
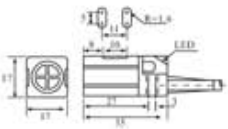
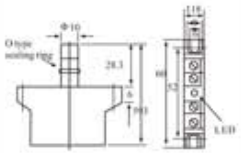
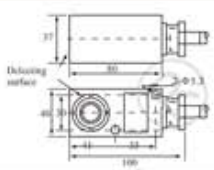
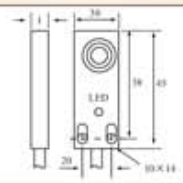
IDEAL®

A PROXIMITY SWITCH

Structural category

Outward appearance code				IDF2	IDF3	IDF4	IDF5
Outward appearance illustration							
Overall dimensions							
Detection distance				5mm	5mm	5mm	2mm
Flush	DC 6~36 VDC	NPN	NO	IDF2-3005NA	IDF3-3005NA	IDF4-3005NA	IDF5-3002NA
			NC	IDF2-3005NB	IDF3-3005NB	IDF4-3005NB	IDF5-3002NB
			NO+NC			IDF4-3005NC	IDF5-3002NC
		PNP	NO	IDF2-3005PA	IDF3-3005PA	IDF4-3005PA	IDF5-3002PA
			NC	IDF2-3005PB	IDF3-3005PB	IDF4-3005PB	IDF5-3002PB
			NO+NC			IDF4-3005PC	IDF5-3002PC
		two wire system	NO	IDF2-3005LA	IDF3-3005LA	IDF4-3005LA	IDF5-3002LA
			NC	IDF2-3005LB	IDF3-3005LB	IDF4-3005LB	IDF5-3002LB
	AC 90~250 VAC	SCR Control-lable silicon	NO				
			NC				
			NO+NC				
		Relay output					
N0n-flush	Detection distance						10mm
	DC 6~36 VDC	NPN	NO				IDF5-3004NA
			NC				IDF5-3004NB
			NO+NC				IDF5-3004NC
		PNP	NO				IDF5-3004PA
			NC				IDF5-3004PB
			NO+NC				IDF5-3004PC
		two wire system	NO				IDF5-3004LA
			NC				IDF5-3004LB
	AC 90~250 VAC	SCR Control-lable silicon	NO	IDF2-2005A	IDF3-2005A		
			NC		IDF3-2005B		
			NO+NC				
		Relay output					
Control output		DC		200mA	200mA	200mA	200mA
		SCR/Relay		300mA	300mA		300mA
Output voltage dropDC/AC				DC<3V 、AC<10V			
Consumption current				DC<15mA 、AC<10mA			
Standard detected object				20×20×1(A3 iron)	20×20×1(A3 iron)	20×20×1(A3 iron)	15×15×1(A3 iron)
Repeated precision				0.02	0.02	0.03	0.03
DC/AC Response frequency				400Hz/25Hz	400Hz/25Hz	300Hz	400Hz
Working environment tmperature				+25℃～+75℃	+25℃～+75℃	+25℃～+75℃	+25℃～+75℃
Insulation resistance				≥50M Ω	≥50M Ω	50M Ω	≥50M Ω
Shell meterial				ABS Resin	ABS Resin	ABS Resin	ABS Resin
Protection grade				IP67	IP67	IP67	IP67
Alternative model at home and abroad				TL-QTMC1	PS17-5PN	PS05-N、PS05-P	

PROXIMITY SWITCH

Angular column type				
IDF6	**IDF11**	**IDF15**	**IDF16**	**IDF29**
				
8mm	5mm	2mm		5mm
IDF6-3004NA	IDF11-3005NA	IDF15-3002NA		ID38-3012NA
IDF6-3004NB	IDF11-3005NB	IDF15-3002NB		ID38-3012NB
IDF6-3004NC	IDF11-3005NC	IDF15-3002NC		ID38-3012NC
IDF6-3004PA	IDF11-3005P A	IDF15-3002PA		ID38-3012PA
IDF6-3004PB	IDF11-3005PB	IDF15-3002PB		ID38-3012PB
IDF6-3004PC	IDF11-3005PC	IDF15-3002PC		ID38-3012PC
IDF6-3004LA	IDF11-3005LA	IDF15-3002LA		ID38-3012LA
IDF6-3004LB	IDF11-3005LB			
IDF6-2008A		IDF15-2002A		ID38-2012A
IDF6-2008B		IDF15-2002B		ID38-2012B
10mm		4mm	15mm	8mm
IDF6-3010NA		IDF15-3004NA	IDF16-3015NA	IDF29-3008NA
IDF6-3010NB		IDF15-3004NB	IDF16-3015NB	IDF29-3008NB
IDF6-3010NC		IDF15-3004NC	IDF16-3015NC	IDF29-3008NC
IDF5-3004PA		IDF15-3004PA	IDF16-3015PA	IDF29-3008PA
IDF6-3010PB		IDF15-3004PB	IDF16-3015PB	IDF29-3008PB
IDF6-3010PC		IDF15-3004PC	IDF16-3015PC	IDF29-3008PC
IDF6-3010LA		IDF15-3004LA	IDF16-3015LA	IDF29-3008LA
IDF6-3010LB			IDF16-3015LB	IDF29-3008LB
IDF6-2010A		IDF15-2004A	IDF16-3015A	IDF29-2008A
IDF6-2010B		IDF15-2004B	IDF16-3015B	IDF29-2008B
			IDF16-3015C	
			IDF16-3015JC	
200mA	200mA	200mA	200mA	200mA
		300mA/1A	300mA/2A	300mA
DC<3V 、AC<10V				
DC<15mA 、AC<10ma				
30×30×1(A3 iron)	20×20×1(A3 iron)	15×15×F(A3 iron)	45×45×F(A3 iron)	50×50×1(A3 iron)
0.05	0.03	0.02	0.05	0.05
200Hz/25Hz	300Hz	200Hz/25Hz	100Hz/15Hz	300Hz
+25℃～+75℃	+25℃～+70℃	+25℃～+75℃	+25℃～+75℃	+25℃～+75℃
≥50M Ω	≥50M Ω	≥50M Ω	≥50M Ω	≥50M Ω
ABS Resin	ARS Resin	ABS Resin	ABS Resin	ABS Resin
IP67	IP67	IP67	IP67	IP67
TL-N5ME□□	PL05-N 、PL05-P	ST-F-□	LJ2-□□/□□□	