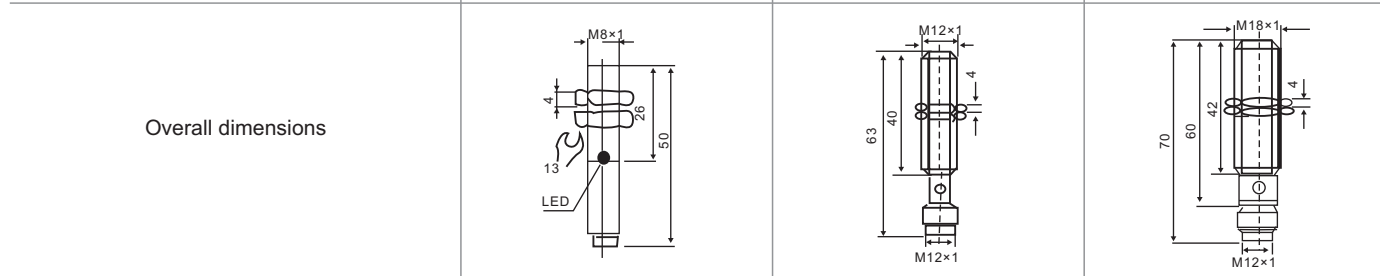


# PROXIMITY SWITCH

Structural category      Cylinder type      Connector type

Outward Appearance code      CZ LM8-□□T /LM8-□□T3      CZ LM12-□T /LM12-□T3      CZ LM18-□T

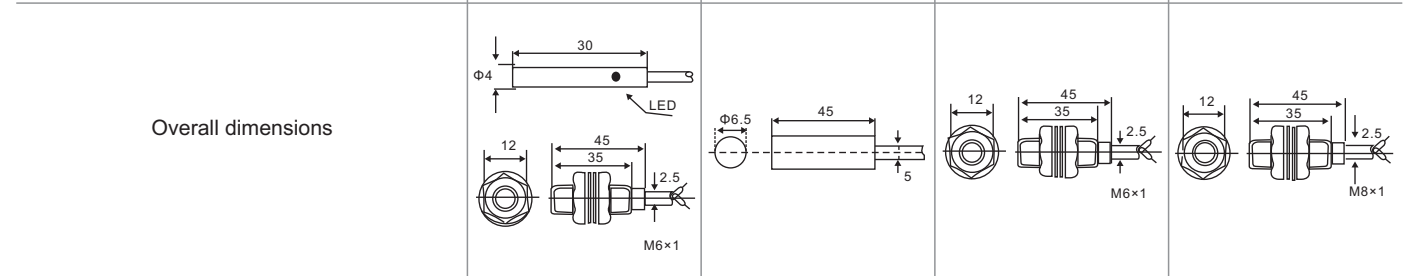


		DETECTION DISTANCE					
		1mm	2mm	5mm			
Flush	DC 10-30 VDC	NPN	NO	CZ LM8-3001NAT	CZ LM12-3002NAT	CZ LM18-3005NAT	
			NC	CZ LM8-3001NBT	CZ LM12-3002NBT	CZ LM18-3005NBT	
			NO+NC		CZ LM12-3002NCT	CZ LM18-3005NCT	
		PNP	NO	CZ LM8-3001PAT	CZ LM12-3002PAT	CZ LM18-3005PAT	
			NC	CZ LM8-3001PBT	CZ LM12-3002PBT	CZ LM18-3005PBT	
			NO+NC		CZ LM12-3002PCT	CZ LM18-3005PCT	
	two wire system	NO	CZ LM8-3001LAT	CZ LM12-3002LAT	CZ LM18-3005LAT		
		NC	CZ LM8-3001LBT	CZ LM12-3002LBT	CZ LM18-3005LBT		
	AC 90-250 VAC	Control-lable silicon	SCR	NO	CZ LM12-2002AT	CZ LM18-2005AT	
			NC		CZ LM12-2002BT	CZ LM18-2005BT	
NO+NC							
Relay output							
		DETECTION DISTANCE					
		2mm	4mm	8mm			
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LM8-3002NAT	CZ LM12-3004NAT	CZ LM18-3008NAT	
			NC	CZ LM8-3002NBT	CZ LM12-3004NBT	CZ LM18-3008NBT	
			NO+NC		CZ LM12-3004NCT	CZ LM18-3008NCT	
		PNP	NO	CZ LM8-3002PAT	CZ LM12-3004PAT	CZ LM18-3008PAT	
			NC	CZ LM8-3002PBT	CZ LM12-3004PBT	CZ LM18-3008PBT	
			NO+NC		CZ LM12-3004PCT	CZ LM18-3008PCT	
	two wire system	NO	CZ LM8-3002LAT	CZ LM12-3004LAT	CZ LM18-3008LAT		
		NC	CZ LM8-3002LBT	CZ LM12-3004LBT	CZ LM18-3008LBT		
	AC 90-250 VAC	Control-lable silicon	SCR	NO	CZ LM8-2002AT	CZ LM12-2004AT	CZ LM18-2008AT
			NC		CZ LM12-2004BT	CZ LM18-2008BT	
NO+NC							
Relay output							
Controloutput	DC	150mA	200mA				
	SCR/Relay			300mA			
Output voltage drop DC/AC		(NPN PNP) 3V : 3.9V AC 10V DC < 3V AC < 10V					
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC < 15mA AC < 10mA					
Standard detected object		8×8×1(A3 iron)	12×12×1(A3 iron)	18×18×1(A3 iron)			
Repeated precision		0.01	0.01	0.02			
DC/AC		500Hz/10Hz	400Hz/10Hz	200Hz/10Hz			
Working environment temperature		-25°C~+70°C	-25°C~+70°C	-25°C~+70°C			
Insulation resistance		50MΩ	50MΩ	50MΩ			
Shell material		Metal	Metal	Metal			
Protection grade		IP67	IP67	IP67			
Alyemative model at home and abroad		E2E-X1R5-M1	E2E-X2E1-M1	E2E-X5E5-M1			

# PROXIMITY SWITCH





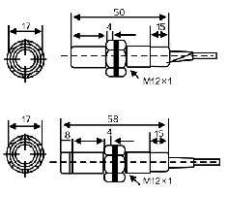
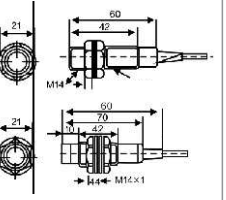
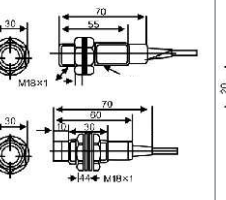
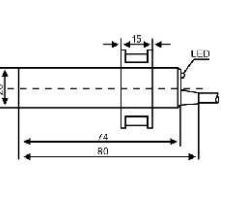
Structural category      Cylinder type

Outward Appearance code      CZ LM4/LM5      CZ LM6      CZ LM06      CZ LM8






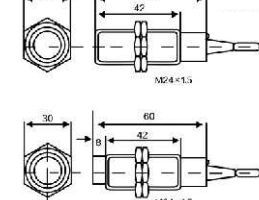
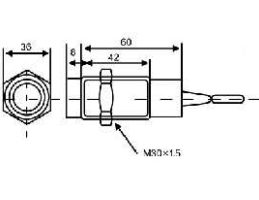
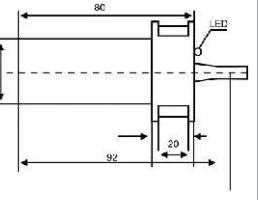
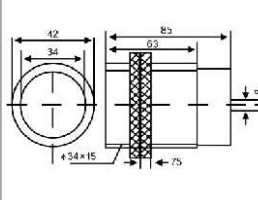
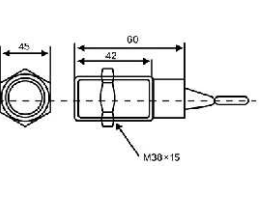


		DETECTION DISTANCE					
		0.8mm/1mm	1mm	1mm	1mm	1mm	
Flush	DC 10-30 VDC	NPN	NO	CZ LM4-300.8NA/CZ LM5-3001NA	CZ LM6-3001NA	CZ LM06-3001NA	CZ LM8-3001NA
			NC		CZ LM6-3001NB		CZ LM8-3001NB
			NO+NC				CZ LM8-3001NC
		PNP	NO	CZ LM4-300.8PA/CZ LM5-3001PA	CZ LM6-3001PA	CZ LM06-3001PA	CZ LM8-3001PA
			NC		CZ LM6-3001PB		CZ LM8-3001PB
			NO+NC				CZ LM8-3001PC
	two wire system	NO		CZ LM6-3001LA		CZ LM8-3001LA	
		NC		CZ LM6-3001LB		CZ LM8-2001LB	
	AC 90-250 VAC	Control-lable silicon	SCR	NO	CZ LM6-2001A		CZ LM8-2001A
			NC		CZ LM6-2001B		CZ LM8-2001B
NO+NC							
Relay output							
		DETECTION DISTANCE		1.5mm	2mm		
Non-Flush	DC 10-30 VDC	NPN	NO		CZ LM6-3002NA	CZ LM8-3002NA	
			NC		CZ LM6-3002NB	CZ LM8-3002NB	
			NO+NC				
		PNP	NO		CZ LM6-3002PA	CZ LM8-3002PA	
			NC		CZ LM6-3002PB	CZ LM8-3002PB	
			NO+NC				
	two wire system	NO		CZ LM6-3002LA	CZ LM8-3002LA		
		NC		CZ LM6-3002LB	CZ LM8-3002LB		
	AC 90-250 VAC	Control-lable silicon	SCR	NO	CZ LM6-2002A	CZ LM8-2002A	
			NC		CZ LM6-2002B	CZ LM8-2002B	
NO+NC							
Relay output							
Controloutput	DC	200mA	200mA	200mA	200mA		
	SCR/Relay					200mA	
Output voltage drop DC/AC		(NPN PNP) 3V : 3.9V AC 10V DC < 3V AC < 10V					
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC < 15mA AC < 10mA					
Standard detected object		6×6×1(A3 iron)	8×8×1(A3 iron)	8×8×1(A3 iron)	8×8×1(A3 iron)	8×8×1(A3 iron)	
Repeated precision		0.01	0.01	0.01	0.01	0.01	
DC/AC		500Hz	500Hz	500Hz	500Hz	500Hz/25Hz	
Working environment temperature		-25°C~+70°C	-25°C~+75°C	-25°C~+70°C	-25°C~+70°C	-25°C~+75°C	
Insulation resistance		50MΩ	≥30MΩ	50MΩ	50MΩ	≥50MΩ	
Shell material		Metal	Stainless steel	Metal	Metal	Metal	
Protection grade		IP67	IP67	IP67	IP67	IP67	
Alyemative model at home and abroad						E2E-X1R5□□	

# PROXIMITY SWITCH

Structural category		Cylinder type					
Outward Appearance code		CZ LM12	CZ LM14	CZ LM18	CZ LM20		
Outward appearance illustration							
Overall dimensions							
Flush	DETECTION DISTANCE		2mm	3mm	5mm		
	DC 10-30 VDC	NPN	NO	CZ LM12-3002NA	CZ LM14-3003NA	CZ LM18-3005NA	
			NC	CZ LM12-3002NB	CZ LM14-3003NB	CZ LM18-3005NB	
			NO+NC	CZ LM12-3002NC	CZ LM14-3003NC	CZ LM18-3005NC	
		PNP	NO	CZ LM12-3002PA	CZ LM14-3003PA	CZ LM18-3005PA	
			NC	CZ LM12-3002PB	CZ LM14-3003PB	CZ LM18-3005PB	
			NO+NC	CZ LM12-3002PC	CZ LM14-3003PC	CZ LM18-3005PC	
	two wire system	NO	CZ LM12-3002LA	CZ LM14-3003LA	CZ LM18-3005LA		
		NC	CZ LM12-2002LB	CZ LM14-2003LB	CZ LM18-3005LB		
	AC 90-250 VAC	Control-lable silicon	NO	CZ LM12-2002A	CZ LM14-2003A	CZ LM18-2005A	
NC			CZ LM12-2002B	CZ LM14-2003B	CZ LM18-2005B		
NO+NC					CZ LM18-2005C		
	Relay output						
Non-Flush	DETECTION DISTANCE		4mm	5mm	8mm	10mm	
	DC 10-30 VDC	NPN	NO	CZ LM12-3004NA	CZ LM14-3005NA	CZ LM18-3008NA	CZ LM20-3010NA
			NC	CZ LM12-3004NB	CZ LM14-3005NB	CZ LM18-3008NB	CZ LM20-3010NB
			NO+NC	CZ LM12-3004NC	CZ LM14-3005NC	CZ LM18-3008NC	CZ LM20-3010NC
		PNP	NO	CZ LM12-3004PA	CZ LM14-3005PA	CZ LM18-3008PA	CZ LM20-3010PA
			NC	CZ LM12-3004PB	CZ LM14-3005PB	CZ LM18-3008PB	CZ LM20-3010PB
			NO+NC	CZ LM12-3004PC	CZ LM14-3005PC	CZ LM18-3008PC	CZ LM20-3010PC
	two wire system	NO	CZ LM12-3004LA	CZ LM14-3005LA	CZ LM18-3008LA	CZ LM20-3010LA	
		NC	CZ LM12-3004LB	CZ LM14-3005LB	CZ LM18-2008LB	CZ LM20-3010LB	
	AC 90-250 VAC	Control-lable silicon	NO	CZ LM12-2004A	CZ LM14-2005A	CZ LM18-2008A	CZ LM20-2010A
NC			CZ LM12-2004B	CZ LM14-2005B	CZ LM18-2008B	CZ LM20-2010B	
NO+NC					CZ LM18-2008C	CZ LM20-2010C	
	Relay output						
Controloutput	DC	200mA	200mA	200mA	200mA		
	SCR/Relay	300mA	300mA	300mA	300mA/1A		
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC < 10V					
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA					
Standard detected object		15×15×1(A3 iron)	15×15×1(A3 iron)	18×18×1(A3 iron)	20×20×1(A3 iron)		
Repeated precision		0.01	0.02	0.02	0.05		
DC/AC		400Hz/25Hz	300Hz/25Hz	200Hz/25Hz	200Hz/25Hz		
Working environment temperature		-25°C~+75°C	-25°C~+75°C	-25°C~+75°C	-25°C~+75°C		
Insulation resistance		≥50MΩ	≥50MΩ	50MΩ	50MΩ		
Shell material		Metal	Metal	Metal	ABS Resin		
Protection grade		IP67	IP67	IP67	IP67		
Alyemative model at home and abroad		E2E-X5□□	LJ14A3-□□	LJ18A3-8-□□			

# PROXIMITY SWITCH

Structural category		Cylinder type						
Outward Appearance code		CZ LM24	CZ LM30	CZ LM34	CZ LM35	CZ LM38		
Outward appearance illustration								
Overall dimensions								
Flush	DETECTION DISTANCE		8mm	10mm		12mm		
	DC 10-30 VDC	NPN	NO	CZ LM24-3008NA	CZ LM30-3010NA		CZ LM38-3012NA	
			NC	CZ LM24-3008NB	CZ LM30-3010NB		CZ LM38-3012NB	
			NO+NC	CZ LM24-3008NC	CZ LM30-3010NC		CZ LM38-3012NC	
		PNP	NO	CZ LM24-3008PA	CZ LM30-3010PA		CZ LM38-3012PA	
			NC	CZ LM24-3008PB	CZ LM30-3010PB		CZ LM38-3012PB	
			NO+NC	CZ LM24-3008PC	CZ LM30-3010PC		CZ LM38-3012PC	
	two wire system	NO	CZ LM24-3008LA	CZ LM30-3010LA		CZ LM38-3012LA		
		NC	CZ LM24-3008LB	CZ LM30-3010LB		CZ LM38-3012LB		
	AC 90-250 VAC	Control-lable silicon	NO	CZ LM24-2008A	CZ LM30-2010A		CZ LM38-2012A	
NC			CZ LM24-2008B	CZ LM30-2010B		CZ LM38-2012B		
NO+NC			CZ LM24-2008C	CZ LM30-2010C		CZ LM38-2012C		
	Relay output			CZ LM30-2010JC				
Non-Flush	DETECTION DISTANCE		10mm	15mm	17mm	17mm	18mm	
	DC 10-30 VDC	NPN	NO	CZ LM24-3010NA	CZ LM30-3015NA	CZ LM34-3017NA	CZ LM35-3017NA	CZ LM38-3018NA
			NC	CZ LM24-3010NB	CZ LM30-3015NB	CZ LM34-3017NB	CZ LM35-3017NB	CZ LM38-3018NB
			NO+NC	CZ LM24-3010NC	CZ LM30-3015NC	CZ LM34-3017NC	CZ LM35-3017NC	CZ LM38-3018NC
		PNP	NO	CZ LM24-3010PA	CZ LM30-3015PA	CZ LM34-3017PA	CZ LM35-3017PA	CZ LM38-3018PA
			NC	CZ LM24-3010PB	CZ LM30-3015PB	CZ LM34-3017PB	CZ LM35-3017PB	CZ LM38-3018PB
			NO+NC	CZ LM24-3010PC	CZ LM30-3015PC	CZ LM34-3017PC	CZ LM35-3017PC	CZ LM38-3018PC
	two wire system	NO	CZ LM24-3010LA	CZ LM30-3015LA	CZ LM34-3017LA	CZ LM35-3017LA	CZ LM38-3018LA	
		NC	CZ LM24-3010LB	CZ LM30-3015LB	CZ LM34-3017LB	CZ LM35-3017LB	LCZ M38-3018LB	
	AC 90-250 VAC	Control-lable silicon	NO	CZ LM24-2010A	CZ LM30-2015A	CZ LM34-2017A	CZ LM35-2017A	CZ LM38-2018A
NC			CZ LM24-2010B	CZ LM30-2015B	CZ LM34-2017B	CZ LM35-2017B	CZ LM38-2018B	
NO+NC			CZ LM24-2010C	CZ LM30-2015C	CZ LM34-2017C	CZ LM35-2017C	CZ LM38-2018C	
	Relay output			CZ LM30-2015JC	CZ LM34-2017JC	CZ LM35-2017JC	CZ LM38-2018JC	
Controloutput	DC	200mA	200mA	200mA	200mA	200mA		
	SCR/Relay	300mA	300mA/1A					
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC < 10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA						
Standard detected object		24×24×1(A3 iron)	30×30×1(A3 iron)	34×34×1(A3 iron)	40×40×1(A3 iron)	40×40×1(A3 iron)		
Repeated precision		0.05	0.05		0.1			
DC/AC		200Hz/25Hz	200Hz/25Hz		100Hz/15Hz			
Working environment temperature		-25°C~+75°C	-25°C~+75°C		-25°C~+75°C			
Insulation resistance		50MΩ	50MΩ		50MΩ			
Shell material		Metal	Metal	ABS Resin	ABS Resin	ABS Resin		
Protection grade		IP67	IP67		IP67			
Alyemative model at home and abroad		LJ24A3-10-□□	E2E-X18M□			LJ38A4-18-□□		

# PROXIMITY SWITCH

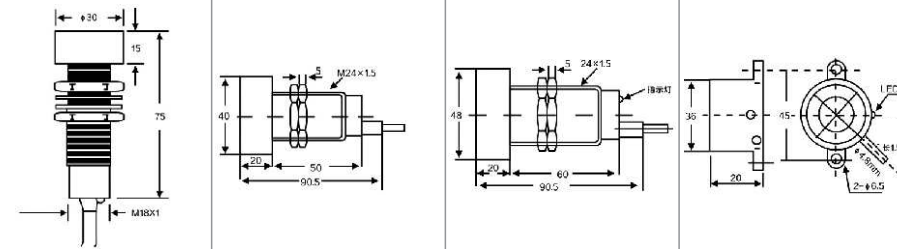
Structural category Cylinder type

Outward Appearance code CZ LM39 CZ LM40 CZ LM480 CZ LM36

Outward appearance illustration



Overall dimensions

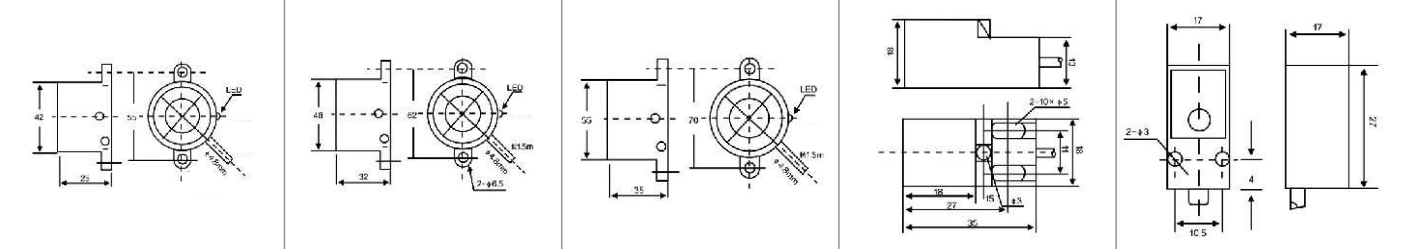


		DETECTION DISTANCE					
Flush	DC 10-30 VDC	NPN	NO				
			NC				
			NO+NC				
		PNP	NO				
			NC				
			NO+NC				
	AC 90-250 VAC	two wire system	NO				
			NC				
		SCR	NO				
		Control-lable silicon	NC				
Relay output							
		DETECTION DISTANCE					
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LM39-3015NA	CZ LM40-3020NA	CZ LM480-3025NA	CZ LM36-3015NA
			NC	CZ LM39-3015NB	CZ LM40-3020NB	CZ LM480-3025NB	CZ LM36-3015NB
			NO+NC	CZ LM39-3015NC	CZ LM40-3020NC	CZ LM480-3025NC	CZ LM36-3015NC
		PNP	NO	CZ LM39-3015PA	CZ LM40-3002PA	CZ LM480-3025PA	CZ LM36-3015PA
			NC	CZ LM39-3015PB	CZ LM40-3002PB	CZ LM480-3025PB	CZ LM36-3015PB
			NO+NC	CZ LM39-3015PC	CZ LM40-3020PC	CZ LM480-3025PC	CZ LM36-3015PC
	AC 90-250 VAC	two wire system	NO	CZ LM39-3015LA	CZ LM40-3002LA	CZ LM480-3025LA	CZ LM36-3015LA
			NC	CZ LM39-3015LB	CZ LM40-3002LB	CZ LM480-3025LB	CZ LM36-2015LB
		SCR	NO	CZ LM39-2015A	CZ LM40-2002A	CZ LM480-2025A	CZ LM36-2015A
		Control-lable silicon	NC	CZ LM39-2015B	CZ LM40-2020B	CZ LM480-2025B	CZ LM36-2015B
Relay output				CZ LM40-2020JC			
Controloutput	DC		200mA	200mA	200mA	200mA	
	SCR/Relay		300mA/1A	300mA/1A		300mA	
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC<10V					
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA					
Standard detected object		45×45×1(A3 iron)	45×45×1(A3 iron)	50×50×1(A3 iron)	45×45×1(A3 iron)		
Repeated precision			0.1		0.05		
DC/AC			100Hz/25Hz		200Hz/10Hz		
Working environment temperature		-25°C~+75°C					
Insulation resistance		50MΩ					
Shell material		Metal	Metal	Metal	ABS Resin		
Protection grade		IP67					
Alyemative model at home and abroad		SC-□□	SC-□□	SFE-□□			

# PROXIMITY SWITCH

Plane installation type Angular column type

Outward Appearance code CZ LM42 CZ LM48 CZ LM55 CZ LMF1 CZ LMF2



		DETECTION DISTANCE			5mm		5mm	
Flush	DC 10-30 VDC	NPN	NO					
			NC					
			NO+NC					
		PNP	NO					
			NC					
			NO+NC					
	AC 90-250 VAC	two wire system	NO					
			NC					
		SCR	NO					
		Control-lable silicon	NC					
Relay output								
		DETECTION DISTANCE			5mm		5mm	
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LM42-3020NA	CZ LM48-3020NA	CZ LM55-3025NA		
			NC	CZ LM42-3020NB	CZ LM48-3020NB	CZ LM55-3025NB		
			NO+NC	CZ LM42-3020NC	CZ LM48-3020NC	CZ LM55-3025NC		
		PNP	NO	CZ LM42-3020PA	CZ LM48-3020PA	CZ LM55-3025PA		
			NC	CZ LM42-3020PB	CZ LM48-3020PB	CZ LM55-3025PB		
			NO+NC	CZ LM42-3020PC	CZ LM48-3020PC	CZ LM55-3025PC		
	AC 90-250 VAC	two wire system	NO	CZ LM42-3020LA	CZ LM48-3020LA	CZ LM55-3025LA		
			NC	CZ LM42-3020LB	CZ LM48-2020LB	CZ LM55-2025LB		
		SCR	NO	CZ LM42-2020A	CZ LM48-2020A	CZ LM55-2025A	CZ LMF1-2005A	CZ LMF2-2005A
		Control-lable silicon	NC	CZ LM42-2020B	CZ LM48-2020B	CZ LM55-2025B	CZ LMF1-2005B	CZ LMF2-2005B
Relay output				CZ LM55-2025JC				
Controloutput	DC		200mA	200mA	200mA	200mA	200mA	
	SCR/Relay		300mA	300mA	300mA	300mA	300mA	
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC<10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA						
Standard detected object		25×25×1(A3 iron)	60×60×1(A3 iron)	55×55×1(A3 iron)	20×20×1(A3 iron)	20×20×1(A3 iron)		
Repeated precision		0.2	0.2	0.2	0.02	0.02		
DC/AC		200Hz/10Hz	200Hz/10Hz	200Hz/10Hz	400Hz/25Hz	400Hz/25Hz		
Working environment temperature		-25°C~+75°C						
Insulation resistance		50MΩ						
Shell material		ABS Resin	ABS Resin	ABS Resin	ABS Resin	ABS Resin	ABS Resin	ABS Resin
Protection grade		IP67	IP67	IP67	IP67	IP67	IP67	IP67
Alyemative model at home and abroad			SD-□□	SE-□□	SN04-N		TL-Q5MC1	

# PROXIMITY SWITCH

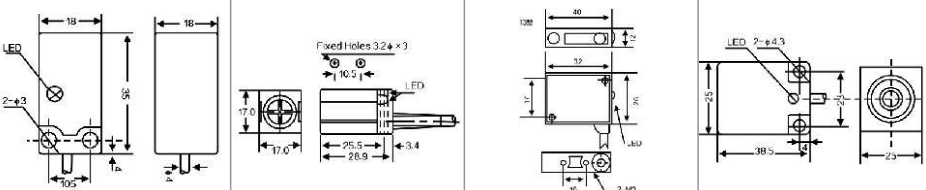
Structural category Angular column type

Outward Appearance code CZ LMF3 CZ LMF4 CZ LMF5 CZ LMF6

Outward appearance illustration



Overall dimensions

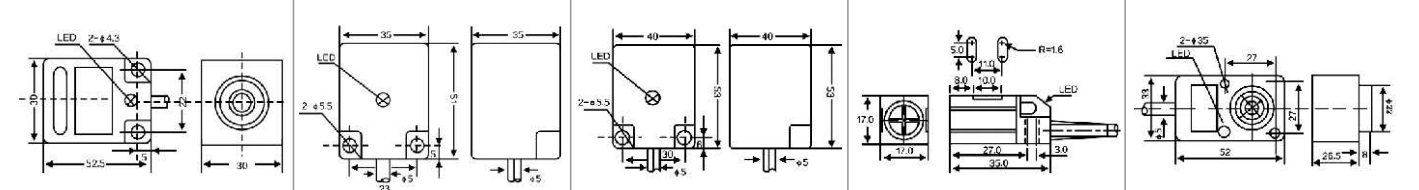


		DETECTION DISTANCE						
		5mm	5mm	2mm	8mm			
Flush	DC 10-30 VDC	NPN	NO	CZ LMF3-3005NA	CZ LMF4-3005NA	CZ LMF5-3002NA	CZ LMF6-3008NA	
			NC	CZ LMF3-3005NB	CZ LMF4-3005NB	CZ LMF5-3002NB	CZ LMF6-3008NB	
			NO+NC	CZ LMF3-3005PA	CZ LMF4-3005PA	CZ LMF5-3002PA	CZ LMF6-3008PA	
		PNP	NO	CZ LMF3-3005PB	CZ LMF4-3005PB	CZ LMF5-3002PB	CZ LMF6-3008PB	
			NC	CZ LMF3-3005LA	CZ LMF4-3005LA	CZ LMF5-3002LA	CZ LMF6-3008LA	
			NO+NC	CZ LMF3-3005LB	CZ LMF4-3005LB	CZ LMF5-3002LB	CZ LMF6-3008LB	
	AC 90-250 VAC	Control-silicon	NO				CZ LMF6-2008A	
			NC				CZ LMF6-2008B	
		Relay output	NO					
			NC					
Non-Flush	DC 10-30 VDC	NPN	NO			CZ LMF5-3004NA	CZ LMF6-3010NA	
			NC			CZ LMF5-3004NB	CZ LMF6-3010NB	
			NO+NC			CZ LMF5-3004NC	CZ LMF6-3010NC	
		PNP	NO			CZ LMF5-3004PA	CZ LMF6-3010PA	
			NC			CZ LMF5-3004PB	CZ LMF6-3010PB	
			NO+NC			CZ LMF5-3004PC	CZ LMF6-3010PC	
	AC 90-250 VAC	Control-silicon	NO	CZ LMF3-2005A			CZ LMF6-2010A	
			NC	CZ LMF3-2005B			CZ LMF6-2010B	
		Relay output	NO					
			NC					
Control output	DC	200mA	200mA	200mA	200mA			
	SCR/Relay		300mA/1A		300mA			
Output voltage drop DC/AC		NPN PNP) 3V :3.9V AC 10V DC <3V AC <10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC <15mA AC <10mA						
Standard detected object		20×20×1(A3 iron)	20×20×1(A3 iron)	15×15×1(A3 iron)	30×30×1(A3 iron)			
Repeated precision		0.02	0.03	0.03	0.05			
DC/AC		400Hz/25Hz	300Hz	400Hz	200Hz/10Hz			
Working environment temperature		-25°C~+75°C	-25°C~+75°C		-25°C~+75°C			
Insulation resistance		50MΩ	50MΩ		50MΩ			
Shell material		ABS Resin	ABS Resin	ABS Resin	ABS Resin			
Protection grade		IP67	IP67		IP67			
Alyemative model at home and abroad		PS17-5PN	PS05-N PS05-P		TL-N5ME□□			

# PROXIMITY SWITCH

Structural category Angular column type

Outward Appearance code CZ LMF7 CZ LMF8 CZ LMF10 CZ LMF11 CZ LMF12



		DETECTION DISTANCE						
		10mm	10mm	15mm	5mm			
Flush	DC 10-30 VDC	NPN	NO	CZ LMF7-3010NA	CZ LMF8-3010NA	CZ LMF10-3015NA	CZ LMF11-3005NA	
			NC	CZ LMF7-3010NB	CZ LMF8-3010NB	CZ LMF10-3015NB	CZ LMF11-3005NB	
			NO+NC	CZ LMF7-3010PA	CZ LMF8-3010PA	CZ LMF10-3015PA	CZ LMF11-3005PA	
		PNP	NO	CZ LMF7-3010PB	CZ LMF8-3010PB	CZ LMF10-3015PB	CZ LMF11-3005PB	
			NC	CZ LMF7-3010LA	CZ LMF8-3010LA	CZ LMF10-3015LA	CZ LMF11-3005LA	
			NO+NC	CZ LMF7-3010LB	CZ LMF8-3010LB	CZ LMF10-3015LB	CZ LMF11-3005LB	
	AC 90-250 VAC	Control-silicon	NO				CZ LMF10-2015A	
			NC				CZ LMF10-2015B	
		Relay output	NO					
			NC					
Non-Flush	DC 10-30 VDC	NPN	NO				CZ LMF12-3008NA	
			NC				CZ LMF12-3008NB	
			NO+NC				CZ LMF12-3008NC	
		PNP	NO				CZ LMF12-3008PA	
			NC				CZ LMF12-3008PB	
			NO+NC				CZ LMF12-3008PC	
	AC 90-250 VAC	Control-silicon	NO				CZ LMF12-3008LA	
			NC				CZ LMF12-3008LB	
		Relay output	NO					
			NC					
Control output	DC	200mA	200mA	200mA	200mA	200mA		
	SCR/Relay	300mA	300mA	500mA	300mA	500mA		
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC <3V AC <10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC <15mA AC <10mA						
Standard detected object		35×35×1(A3 iron)	40×40×1(A3 iron)	45×45×1(A3 iron)	20×20×1(A3 iron)	25×25×1(A3 iron)		
Repeated precision		0.05	0.05	0.05	0.05	0.04		
DC/AC		200Hz/15Hz	200Hz/15Hz	100Hz/15Hz	500Hz	200Hz/15Hz		
Working environment temperature		-25°C~+75°C	-25°C~+75°C	-25°C~+70°C	-25°C~+70°C	-25°C~+70°C		
Insulation resistance		50MΩ	50MΩ	50MΩ	50MΩ	50MΩ		
Shell material		ABS Resin	ABS Resin	ABS Resin	ABS Resin	ABS Resin		
Protection grade		IP67	IP67	IP67	IP67	IP67		
Alyemative model at home and abroad		TL-N10M		TL-N20M□	PL-05N PL-05P	LJ1A-24		



# PROXIMITY SWITCH

Structural category		Angular column type						
Outward Appearance code		CZ LMF13	CZ LMF14	CZ LMF15	CZ LMF16			
Outward appearance illustration								
Overall dimensions								
DETECTION DISTANCE		2mm						
Flush	DC 10-30 VDC	NPN	NO		CZ LMF15-3002NA			
			NC		CZ LMF15-3002NB			
			NO+NC		CZ LMF15-3002NC			
		PNP	NO		CZ LMF15-3002PA			
			NC		CZ LMF15-3002PB			
			NO+NC		CZ LMF15-3002PC			
	two wire system	NO		CZ LMF15-3002LA				
		NC		CZ LMF15-3002LB				
	AC 90-250 VAC	Control-silicon	SCR	NO	CZ LMF15-2002A			
			NC		CZ LMF15-2002B			
NO+NC								
Relay output								
DETECTION DISTANCE		8mm	5mm	4mm	15mm			
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF13-3008NA	CZ LMF14-3005NA	CZ LMF15-3004NA	CZ LMF16-3015NA	
			NC	CZ LMF13-3008NB	CZ LMF14-3005NB	CZ LMF15-3004NB	CZ LMF16-3015NB	
			NO+NC	CZ LMF13-3008NC	CZ LMF14-3005NC	CZ LMF15-3004NC	CZ LMF16-3015NC	
		PNP	NO	CZ LMF13-3008PA	CZ LMF14-3005PA	CZ LMF15-3004PA	CZ LMF16-3015PA	
			NC	CZ LMF13-3008PB	CZ LMF14-3005PB	CZ LMF15-3004PB	CZ LMF16-3015PB	
			NO+NC	CZ LMF13-3008PC	CZ LMF14-3005PC	CZ LMF15-3004PC	CZ LMF16-3015PC	
	two wire system	NO	CZ LMF13-3008LA	CZ LMF14-3005LA	CZ LMF15-3004LA	CZ LMF16-3015LA		
		NC	CZ LMF13-3008LB	CZ LMF14-3005LB	CZ LMF15-3004LB	CZ LMF16-3015LB		
	AC 90-250 VAC	Control-silicon	SCR	NO	CZ LMF13-2008A	CZ LMF14-2005A	CZ LMF15-2004A	CZ LMF16-2015A
			NC	CZ LMF13-2008B	CZ LMF14-2005B	CZ LMF15-2004B	CZ LMF16-2015B	
NO+NC						CZ LMF16-2015C		
Relay output					CZ LMF16-2015JC			
Controloutput	DC	200mA	200mA	200mA	200mA			
	SCR/Relay	300mA/1A			300mA			
Output voltage drop DC/AC		(NPN PNP) 3V以下、二线型:3.9V以下、交流AC 10V以下 DC<3V、AC<10V						
Consumption current		直流(NPN PNP)型DC 12V时8mA、24V时15mA、交流AC 10mA以下 DC<15mA、AC<10mA						
Standard detected object		25×25×1(A3铁iron)	18×18×1(A3铁iron)	15×15×1(A3铁iron)	45×45×1(A3铁iron)			
Repeated precision		0.04	0.05	0.02	0.05			
DC/AC		200Hz/15Hz	500Hz/10Hz		100Hz/Hz			
Working environment temperature		-25°C~+70°C						
Insulation resistance		50MΩ						
Shell material		ABS树脂 Resin	ABS塑料 Plastil					
Protection grade		IP67	IP67					
Alyemative model at home and abroad		LJD-□□		ST-F-□	LJ2-□□/□□□			

# PROXIMITY SWITCH

Angular column type		Plane installation type						
Outward Appearance code		CZ LMF17	CZ LMF21	CZ LMF22	CZ LMF23	CZ LMF24		
Outward appearance illustration								
Overall dimensions								
DETECTION DISTANCE		4mm		2mm		4mm		
Flush	DC 10-30 VDC	NPN	NO		CZ LMF22-3002NA		CZ LMF24-3004NA	
			NC		CZ LMF22-3002NB		CZ LMF24-3004NB	
			NO+NC					
		PNP	NO		CZ LMF22-3002PA		CZ LMF24-3004PA	
			NC		CZ LMF22-3002PB		CZ LMF24-3004PB	
			NO+NC					
	two wire system	NO		CZ LMF22-3002LA		CZ LMF24-3004LA		
		NC		CZ LMF22-3002LB		CZ LMF24-3004LB		
	AC 90-250 VAC	Control-silicon	SCR	NO				
			NC					
NO+NC								
Relay output								
DETECTION DISTANCE		20mm	4mm	4mm	5mm	5mm		
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF17-3020NA	CZ LMF21-3004NA	CZ LMF22-3004NA	CZ LMF23-3005NA	CZ LMF24-3005NA
			NC	CZ LMF17-3020NB	CZ LMF21-3004NB	CZ LMF22-3004NB	CZ LMF23-3005NB	CZ LMF24-3005NB
			NO+NC	CZ LMF17-3020NC	CZ LMF21-3004NC	CZ LMF22-3004NC	CZ LMF23-3005NC	CZ LMF24-3005NC
		PNP	NO	CZ LMF17-3020PA	CZ LMF21-3004PA	CZ LMF22-3004PA	CZ LMF23-3005PA	CZ LMF24-3005PA
			NC	CZ LMF17-3020PB	CZ LMF21-3004PB	CZ LMF22-3004PB	CZ LMF23-3005PB	CZ LMF24-3005PB
			NO+NC	CZ LMF17-3020PC	CZ LMF21-3004PC	CZ LMF22-3004PC	CZ LMF23-3005PC	CZ LMF24-3005PC
	two wire system	NO	CZ LMF17-3020LA	CZ LMF21-3004LA	CZ LMF22-3004LA	CZ LMF23-3005LA	CZ LMF24-3005LA	
		NC	CZ LMF17-3020LB	CZ LMF21-3004LB	CZ LMF22-3004LB	CZ LMF23-3005LB	CZ LMF24-3005LB	
	AC 90-250 VAC	Control-silicon	SCR	NO	CZ LMF17-2020A			
			NC	CZ LMF17-2020B				
NO+NC			CZ LMF17-2020C					
Relay output		CZ LMF17-2020JC						
Controloutput	DC	200mA	200mA	200mA	200mA	200mA		
	SCR/Relay	200mA						
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC <10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA						
Standard detected object		50×50×1(A3 iron)	12×12×1(A3 iron)	15×15×1(A3 iron)	20×20×1(A3 iron)	12×12×1(A3 iron)		
Repeated precision		0.2	0.01	0.05	0.05	0.05		
DC/AC		200Hz/15Hz	500Hz/5Hz	300Hz	500Hz	500Hz/5Hz		
Working environment temperature		-25°C~+70°C						
Insulation resistance		≥50MΩ						
Shell material		ABS Resin		ABS Resin	ABS Plastil	ABS Plastil		
Protection grade		IP67	IP67	IP67	IP67	IP67		

# PROXIMITY SWITCH

Structural category		Plane installation type		Angular column type				
Outward Appearance code		CZ LMF25	CZ LMF27	CZ LMF29	CZ LMF30			
Outward appearance illustration								
Overall dimensions								
DETECTION DISTANCE		5mm						
Flush	DC 10-30 VDC	NPN	NO		CZ LMF29-3005NA			
			NC		CZ LMF29-3005NB			
			NO+NC		CZ LMF29-3005NC			
		PNP	NO		CZ LMF29-3005PA			
			NC		CZ LMF29-3005PB			
			NO+NC		CZ LMF29-3005PC			
	two wire system	NO		CZ LMF29-3005LA				
	NC							
	AC 90-250 VAC	SCR	NO		CZ LMF29-2005A			
		Control-silicon	NC		CZ LMF29-2005B			
Relay output								
DETECTION DISTANCE		5mm	15mm	8mm	4mm			
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF25-3005NA	CZ LMF27-3015NA	CZ LMF29-3008NA	CZ LMF30-3004NA	
			NC	CZ LMF25-3005NB	CZ LMF27-3015NB	CZ LMF29-3008NB	CZ LMF30-3004NB	
			NO+NC	CZ LMF25-3005NC	CZ LMF27-3015NC	CZ LMF29-3008NC	CZ LMF30-3004NC	
		PNP	NO	CZ LMF25-3005PA	CZ LMF27-3015PA	CZ LMF29-3008PA	CZ LMF30-3004PA	
			NC	CZ LMF25-3005PB	CZ LMF27-3015PB	CZ LMF29-3008PB	CZ LMF30-3004PB	
			NO+NC	CZ LMF25-3005PC	CZ LMF27-3015PC	CZ LMF29-3008PC	CZ LMF30-3004PC	
		two wire system	NO	CZ LMF25-3005LA	CZ LMF27-3015LA	CZ LMF29-3008LA	CZ LMF30-3004LA	
		NC	CZ LMF25-3005LB		CZ LMF29-3008LB			
		AC 90-250 VAC	SCR	NO	CZ LMF25-2005A	CZ LMF27-2015A	CZ LMF29-2008A	CZ LMF30-2004A
			Control-silicon	NC	CZ LMF25-2005B	CZ LMF27-2015B	CZ LMF29-2008B	CZ LMF30-2004B
	NO+NC							
	Relay output							
	Control output	DC	200mA	200mA	200mA	200mA		
	SCR/Relay	500mA	300mA	300mA	300mA			
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC < 10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA						
Standard detected object		18×18×1(A3 iron)	30×30×1(A3 iron)	25×25×1(A3 iron)	15×15×1(A3 iron)			
Repeated precision		0.05	0.05	0.05	0.05			
DC/AC		500Hz/10Hz	300Hz/10Hz	300Hz	300Hz/10Hz			
Working environment temperature		-25°C~+70°C	-25°C~+70°C	-25°C~+70°C	-25°C~+70°C			
Insulation resistance		50MΩ	50MΩ	50MΩ	50MΩ			
Shell material		ABS Plastil		ABS Resin				
Protection grade		IP67	IP67	IP67	IP67			
Alyemative model at home and abroad								

# PROXIMITY SWITCH

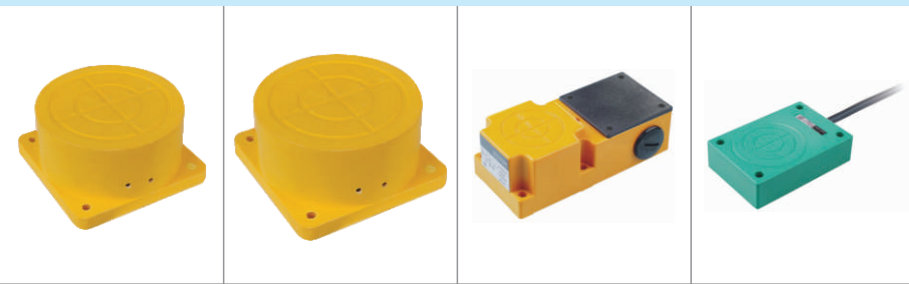
Angular column type		Plane installation type							
Outward Appearance code		CZ LMF35	CZ LMF36	CZ LMF37	CZ LMF38	CZ LMF39			
Outward appearance illustration									
Overall dimensions									
DETECTION DISTANCE		15mm			15mm				
Flush	DC 10-30 VDC	NPN	NO		CZ LMF37-3015NA				
			NC		CZ LMF37-3015NB				
			NO+NC		CZ LMF37-3015NC				
		PNP	NO		CZ LMF37-3015PA				
			NC		CZ LMF37-3015PB				
			NO+NC		CZ LMF37-3015PC				
	two wire system	NO		CZ LMF37-3015LA					
	NC								
	AC 90-250 VAC	SCR	NO		CZ LMF37-2015A				
		Control-silicon	NC		CZ LMF37-2015B				
Relay output									
DETECTION DISTANCE		15mm	1-20mm	20mm	1-40mm	1-50mm			
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF35-3015NA	CZ LMF36-3020NA	CZ LMF37-3020NA	CZ LMF38-3040NA	CZ LMF39-3050NA	
			NC	CZ LMF35-3015NB	CZ LMF36-3020NB	CZ LMF37-3020NB	CZ LMF38-3040NB	CZ LMF39-3050NB	
			NO+NC	CZ LMF35-3015NC	CZ LMF36-3020NC	CZ LMF37-3020NC	CZ LMF38-3040NC	CZ LMF39-3050NC	
		PNP	NO	CZ LMF35-3015PA	CZ LMF36-3020PA	CZ LMF37-3020PA	CZ LMF38-3040PA	CZ LMF39-3050PA	
			NC	CZ LMF35-3015PB	CZ LMF36-3020PB	CZ LMF37-3020PB	CZ LMF38-3040PB	CZ LMF39-3050PB	
			NO+NC	CZ LMF35-3015PC	CZ LMF36-3020PC	CZ LMF37-3020PC	CZ LMF38-3040PC	CZ LMF39-3050PC	
		two wire system	NO	CZ LMF35-3015LA	CZ LMF36-3020LA	CZ LMF37-3020LA	CZ LMF38-3040LA	CZ LMF39-3050LA	
		NC	CZ LMF35-3015LB	CZ LMF36-3020LB	CZ LMF37-3020LB	CZ LMF38-3040LB	CZ LMF39-3050LB		
		AC 90-250 VAC	SCR	NO	CZ LMF35-2015A	CZ LMF36-2020A	CZ LMF37-2020A	CZ LMF38-2040A	CZ LMF39-2050A
			Control-silicon	NC	CZ LMF35-2015B	CZ LMF36-2020B	CZ LMF37-2020B	CZ LMF38-2040B	CZ LMF39-2050B
	NO+NC								
	Relay output								
	Control output	DC	200mA	200mA	200mA	200mA	200mA		
	SCR/Relay	500mA	300mA/2A	300mA/2A	300mA/2A	300mA/2A			
Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC < 10V			(NPN PNP) 3V :3.9V AC 10V DC<3V AC < 10V				
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA			(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA				
Standard detected object		40×40×1(A3 iron)	50×50×1(A3 iron)	50×50×1(A3 iron)	100×100×1(A3 iron)	120×120×1(A3 iron)			
Repeated precision		0.05	0.2	0.2	0.5	0.5			
DC/AC		200Hz/15Hz	500Hz/15Hz	200Hz/15Hz	50Hz/10Hz	50Hz/10Hz			
Working environment temperature		-25°C~+70°C	-25°C~+70°C	-25°C~+70°C	-25°C~+75°C	-25°C~+75°C			
Insulation resistance		≥50MΩ	50MΩ	≥50MΩ	50MΩ	50MΩ			
Shell material		ABS Resin	ABS Resin	ABS Resin					
Protection grade		IP67	IP67	IP67	IP67	IP67			
Alyemative model at home and abroad		JDK-2正負		HY-A20□	TCD-2040□	TCD-2050□			

# PROXIMITY SWITCH

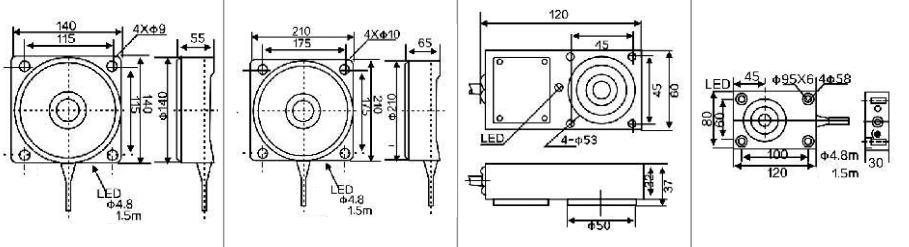
Structural category Plane installation type

Outward Appearance code CZ LMF40 CZ LMF41 CZ LMF42 CZ LMF43

Outward appearance illustration



Overall dimensions

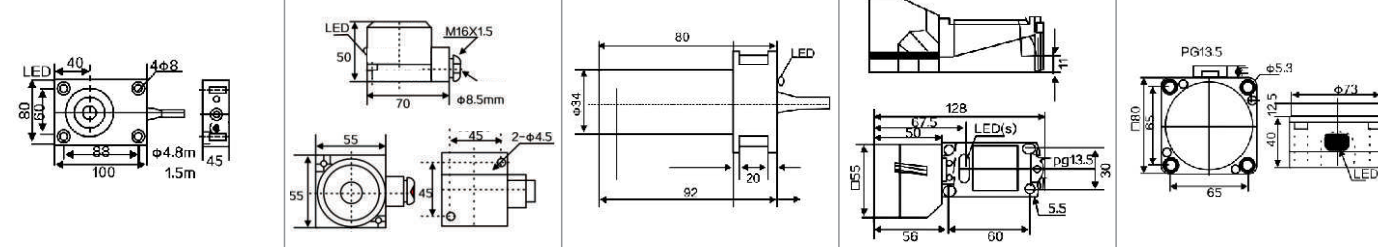


		DETECTION DISTANCE							
Flush	DC 10-30 VDC	NPN	NO						
			NC						
			NO+NC						
		PNP	NO						
			NC						
	two wire system	NO							
		NC							
	AC 90-250 VAC	Control-able silicon	SCR	NO					
			NC						
			NO+NC						
Relay output									
		DETECTION DISTANCE							
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF40-3080NA	CZ LMF41-30120NA	CZ LMF42-3025NA	CZ LMF43-3040NA		
			NC	CZ LMF40-3080NB	CZ LMF41-30120NB	CZ LMF42-3025NB	CZ LMF43-3040NB		
			NO+NC	CZ LMF40-3080NC	CZ LMF41-30120NC	CZ LMF42-3025NC	CZ LMF43-3040NC		
		PNP	NO	CZ LMF40-3080PA	CZ LMF41-30120PA	CZ LMF42-3025PA	CZ LMF43-3040PA		
			NC	CZ LMF40-3080PB	CZ LMF41-30120PB	CZ LMF42-3025PB	CZ LMF43-3040PB		
			NO+NC	CZ LMF40-3080PC	CZ LMF41-30120PC	CZ LMF42-3025PC	CZ LMF43-3040PC		
		two wire system	NO	CZ LMF40-3080LA	CZ LMF41-30120LA	CZ LMF42-3025LA	CZ LMF43-3040LA		
			NC	CZ LMF40-3080LB	CZ LMF41-30120LB	CZ LMF42-3025LB	CZ LMF43-3040LB		
		AC 90-250 VAC	Control-able silicon	SCR	NO	CZ LMF40-2080A	CZ LMF41-20120A	CZ LMF42-2025A	CZ LMF43-2040A
				NC	CZ LMF40-2080B	CZ LMF41-20120B	CZ LMF42-2025B	CZ LMF43-2040B	
	NO+NC			CZ LMF40-2080C	CZ LMF41-20120C	CZ LMF42-2025C	CZ LMF43-2040C		
	Relay output			CZ LMF40-2080JC	CZ LMF41-20120JC	CZ LMF42-2025JC	CZ LMF43-2040JC		
	Control output	DC		200mA	200mA	200mA	200mA		
		SCR/ Relay		300mA/3A	300mA/5A	300mA/2A	300mA/2A		
	Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC <10V						
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA							
Standard detected object		160×160×1(A3 iron)	250×250×1(A3 iron)	80×80×1(A3 iron)	100×100×1(A3 iron)				
Repeated precision		0.5	0.5	0.05	0.05				
DC/AC		10Hz/5Hz	10Hz/5Hz	50Hz/10Hz	30Hz/10Hz				
Working environment temperature		-25°C~+75°C	-25°C~+75°C	-25°C~+70°C	-25°C~+70°C				
Insulation resistance		50MΩ	50MΩ	50MΩ	50MΩ				
Shell material				ABS Resin	ABS Resin				
Protection grade		IP67	IP67	IP65	IP65				
Alyemative model at home and abroad		TCB-2080□	TCC-2120□						

# PROXIMITY SWITCH

Plane installation type

CZ LMF45 CZ LMF55 CZ LMF340 CZ LMF370 CZ LMF380



		DETECTION DISTANCE								
Flush	DC 10-30 VDC	NPN	NO							
			NC							
			NO+NC							
		PNP	NO							
			NC							
	two wire system	NO								
		NC								
	AC 90-250 VAC	Control-able silicon	SCR	NO						
			NC							
			NO+NC							
Relay output										
		DETECTION DISTANCE								
Non-Flush	DC 10-30 VDC	NPN	NO	CZ LMF45-3050NA	CZ LMF55-3025NA	CZ LMF340-3020NA	CZ LMF370-3040NA	CZ LMF380-3040NA		
			NC	CZ LMF45-3050NB	CZ LMF55-3025NB	CZ LMF340-3020NB	CZ LMF370-3040NB	CZ LMF380-3040NB		
			NO+NC	CZ LMF45-3050NC	CZ LMF55-3025NC	CZ LMF340-3020NC	CZ LMF370-3040NC	CZ LMF380-3040NC		
		PNP	NO	CZ LMF45-3050PA	CZ LMF55-3025PA	CZ LMF340-3020PA	CZ LMF370-3040PA	CZ LMF380-3040PA		
			NC	CZ LMF45-3050PB	CZ LMF55-3025PB	CZ LMF340-3020PB	CZ LMF370-3040PB	CZ LMF380-3040PB		
			NO+NC	CZ LMF45-3050PC	CZ LMF55-3025PC	CZ LMF340-3020PC	CZ LMF370-3040PC	CZ LMF380-3040PC		
		two wire system	NO	CZ LMF45-3050LA	CZ LMF55-3025LA	CZ LMF340-3020LA	CZ LMF370-3040LA	CZ LMF380-3040LA		
			NC	CZ LMF45-3050LB	CZ LMF55-3025LB	CZ LMF340-3020LB	CZ LMF370-3040LB	CZ LMF380-3040LB		
		AC 90-250 VAC	Control-able silicon	SCR	NO	CZ LMF45-2050A	CZ LMF55-2025A	CZ LMF340-2020A	CZ LMF370-2040A	CZ LMF380-2040A
				NC	CZ LMF45-2050B	CZ LMF55-2025B	CZ LMF340-2020B	CZ LMF370-2040B	CZ LMF380-2040B	
	NO+NC			CZ LMF45-2050C	CZ LMF55-2025C	CZ LMF340-2020C	CZ LMF370-2040C	CZ LMF380-2040C		
	Relay output									
	Control output	DC		200mA	200mA	200mA	200mA	200mA		
		SCR/ Relay		500mA	300mA/2A	300mA	500mA	500mA		
	Output voltage drop DC/AC		(NPN PNP) 3V :3.9V AC 10V DC<3V AC <10V							
Consumption current		(NPN PNP) DC 12V 8mA 24V 15mA AC 10mA DC<15mA AC<10mA								
Standard detected object		80×80×1(A3 iron)	70×70×1(A3 iron)	35×35×1(A3 iron)	55×55×1(A3 iron)	50×50×1(A3 iron)				
Repeated precision		0.5	0.2	0.05	0.5	0.05				
DC/AC		200Hz/5Hz	200Hz/10Hz	300Hz/10Hz	200Hz/10Hz	500Hz/10Hz				
Working environment temperature		-25°C~+70°C	-25°C~+70°C	-25°C~+70°C	-25°C~+70°C	-25°C~+70°C				
Insulation resistance		50MΩ	50MΩ	50MΩ	50MΩ	50MΩ				
Shell material		Plastil	ABS Resin		Plastil	ABC Plastil				
Protection grade		IP67	IP67	IP67	IP67	IP67				
Alyemative model at home and abroad			HE-/HD-			NJ40P-FP-A2-P1				

