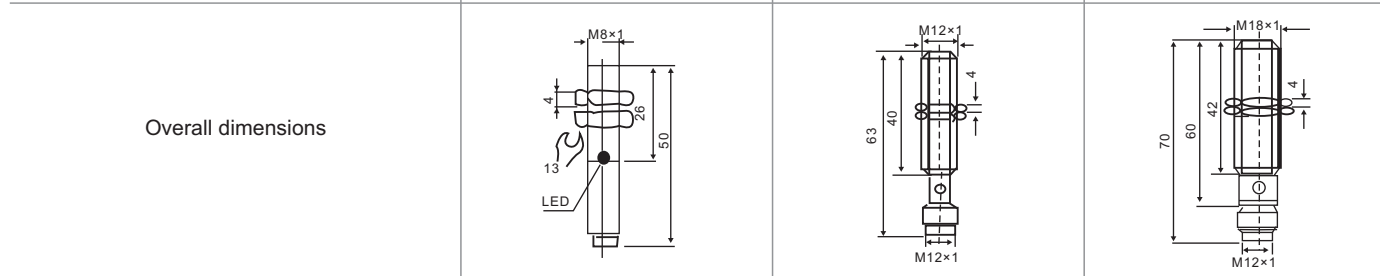


PROXIMITY SWITCH

| Structural category | Cylinder type | | Connector type |
|---------------------|---------------|--|----------------|
|---------------------|---------------|--|----------------|

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

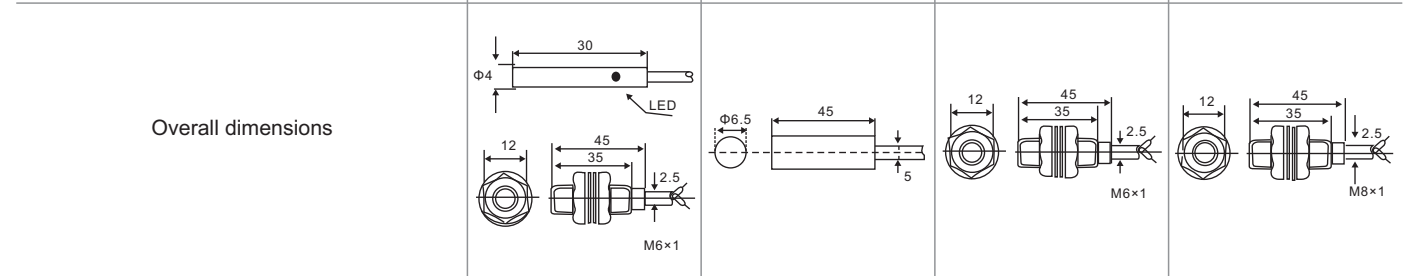


| | | DETECTION DISTANCE | | | | |
|-------------------------------------|-----------------|---|------------------|------------------|-----------------|-----------------|
| | | 1mm | 2mm | 5mm | | |
| Flush | DC 10-30 VDC | NPN | NO | CZ LM8-3001NAT | CZ LM12-3002NAT | CZ LM18-3005NAT |
| | | | NC | 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 | 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 | 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





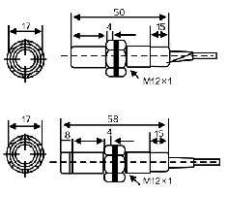
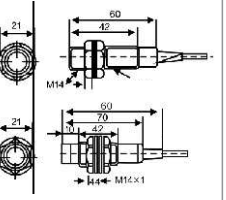
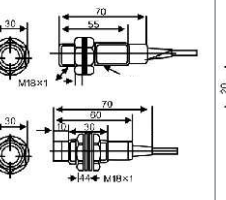
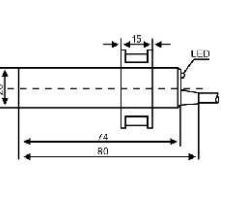
| Structural category | Cylinder type | | | |
|---------------------|---------------|--|--|--|
|---------------------|---------------|--|--|--|

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






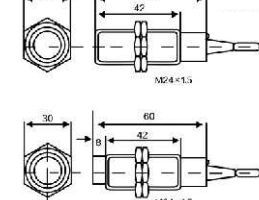
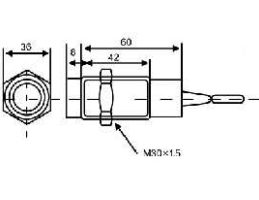
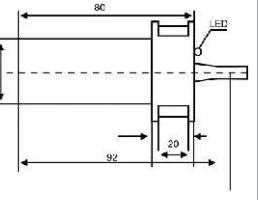
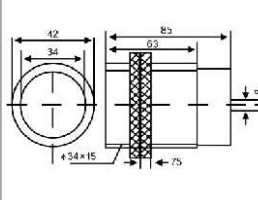
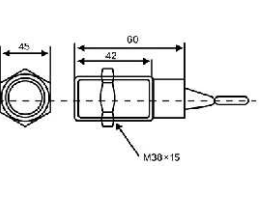


| | | DETECTION DISTANCE | | | | | |
|-------------------------------------|-----------------|---|-----------------|------------------------------|----------------|----------------|---------------|
| | | 0.8mm/1mm | 1mm | 1mm | 1mm | | |
| Flush | DC 10-30 VDC | NPN | NO | CZ LM4-300.8NA/CZ LM5-3001NA | 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 | 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 | 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 | | | | | | |
| 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) | | |
| Repeated precision | | 0.01 | 0.01 | 0.01 | 0.01 | | |
| DC/AC | | 500Hz | 500Hz | 500Hz | 500Hz/25Hz | | |
| Working environment temperature | | -25°C~+70°C | -25°C~+75°C | -25°C~+70°C | -25°C~+75°C | | |
| Insulation resistance | | 50MΩ | ≥30MΩ | 50MΩ | ≥50MΩ | | |
| Shell material | | Metal | Stainless steel | Metal | Metal | | |
| Protection grade | | 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 | |  |  |  |  | | |
| DETECTION DISTANCE | | 2mm | 3mm | 5mm | | | |
| Flush | 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 | |
| | two wire system | NO | CZ LM12-3002PC | CZ LM14-3003PC | CZ LM18-3005PC | | |
| | | NO | CZ LM12-3002LA | CZ LM14-3003LA | CZ LM18-3005LA | | |
| | 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 | | | | | | | |
| DETECTION DISTANCE | | 4mm | 5mm | 8mm | 10mm | | |
| Non-Flush | 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 |
| | two wire system | NO | CZ LM12-3004PC | CZ LM14-3005PC | CZ LM18-3008PC | CZ LM20-3010PC | |
| | | NO | CZ LM12-3004LA | CZ LM14-3005LA | CZ LM18-3008LA | CZ LM20-3010LA | |
| | 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 | | | | | | | |
| Control output | | 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 | |  |  |  |  |  | | |
| DETECTION DISTANCE | | 8mm | 10mm | | | 12mm | | |
| Flush | 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 | |
| | two wire system | NO | CZ LM24-3008PC | CZ LM30-3010PC | | CZ LM38-3012PC | | |
| | | NO | CZ LM24-3008LA | CZ LM30-3010LA | | CZ LM38-3012LA | | |
| | 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 | | | | | |
| DETECTION DISTANCE | | 10mm | 15mm | 17mm | 17mm | 18mm | | |
| Non-Flush | 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 |
| | two wire system | NO | CZ LM24-3010PC | CZ LM30-3015PC | CZ LM34-3017PC | CZ LM35-3017PC | CZ LM38-3018PC | |
| | | NO | CZ LM24-3010LA | CZ LM30-3015LA | CZ LM34-3017LA | CZ LM35-3017LA | CZ LM38-3018LA | |
| | AC 90-250 VAC | Control-lable silicon | NO | CZ LM24-3010LB | CZ LM30-3015LB | CZ LM34-3017LB | CZ LM35-3017LB | LCZ M38-3018LB |
| | | | 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 |
| Relay output | | | CZ LM30-2015JC | CZ LM34-2017JC | CZ LM35-2017JC | CZ LM38-2018JC | | |
| Control output | | DC | 200mA | 200mA | 200mA | 200mA | | |
| | | SCR/Relay | 300mA | 300mA/1A | 300mA | 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 | | 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

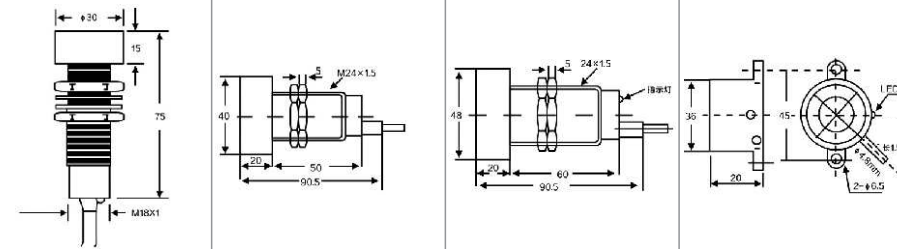
Structural category Cylinder type

Outward Appearance code CZ LM39 CZ LM40 CZ LM480 CZ LM36

Outward appearance illustration



Overall dimensions

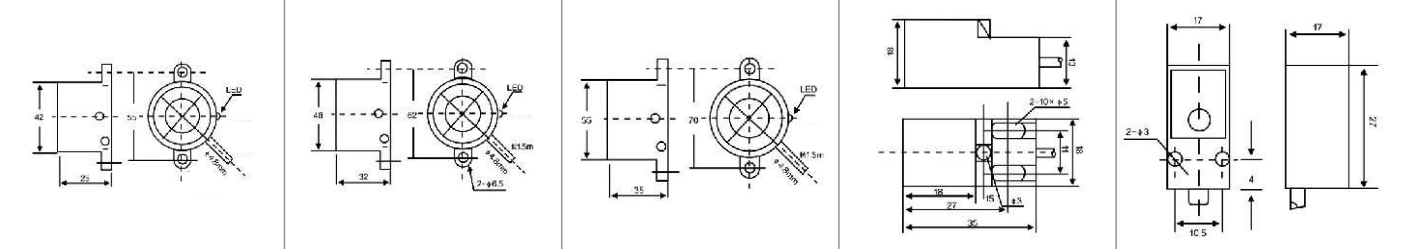


| | | DETECTION DISTANCE | | | | | |
|-------------------------------------|-----------------|---|------------------|------------------|------------------|-----------------|----------------|
| Flush | DC 10-30 VDC | NPN | NO | | | | |
| | | | NC | | | | |
| | | | NO+NC | | | | |
| | | PNP | NO | | | | |
| | | | NC | | | | |
| | two wire system | NO | | | | | |
| | | NC | | | | | |
| | AC 90-250 VAC | SCR | NO | | | | |
| | | Control-lable silicon | NC | | | | |
| | | | NO+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 | | |
| | | 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 |
| | AC 90-250 VAC | Control-lable silicon | NC | CZ LM39-2015B | CZ LM40-2020B | CZ LM480-2025B | CZ LM36-2015B |
| NO+NC | | | CZ LM39-2015C | CZ LM40-2020C | CZ LM480-2025C | | |
| 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

CZ LM42 CZ LM48 CZ LM55 CZ LMF1 CZ LMF2



| | | 5mm | | 5mm | |
|-------------------------------------|-----------------|---|------------------|------------------|------------------|
| Flush | DC 10-30 VDC | NPN | CZ LMF1-3005NA | CZ LMF2-3005NA | |
| | | | CZ LMF1-3005NB | CZ LMF2-3005NB | |
| | | | | | |
| | | PNP | CZ LMF1-3005PA | CZ LMF2-3005PA | |
| | | | CZ LMF1-3005PB | CZ LMF2-3005PB | |
| | two wire system | CZ LMF1-3005LA | CZ LMF2-3005LA | | |
| | | CZ LMF1-3005LB | CZ LMF2-3005LB | | |
| | AC 90-250 VAC | SCR | | | |
| | | Control-lable silicon | | | |
| | | | | | |
| Relay output | | | | | |
| | | 20mm | | 25mm | |
| Non-Flush | DC 10-30 VDC | NPN | CZ LM42-3020NA | CZ LM48-3020NA | CZ LM55-3025NA |
| | | | CZ LM42-3020NB | CZ LM48-3020NB | CZ LM55-3025NB |
| | | | CZ LM42-3020NC | CZ LM48-3020NC | CZ LM55-3025NC |
| | | PNP | CZ LM42-3020PA | CZ LM48-3020PA | CZ LM55-3025PA |
| | | | CZ LM42-3020PB | CZ LM48-3020PB | CZ LM55-3025PB |
| | NO+NC | CZ LM42-3020PC | CZ LM48-3020PC | CZ LM55-3025PC | |
| | | two wire system | NO | CZ LM42-3020LA | CZ LM48-3020LA |
| | NC | CZ LM42-2020LB | CZ LM48-2020LB | CZ LM55-2025LB | |
| | | SCR | NO | CZ LM42-2020A | CZ LM48-2020A |
| | AC 90-250 VAC | Control-lable silicon | NC | CZ LM42-2020B | CZ LM48-2020B |
| NO+NC | | | CZ LM42-2020B | CZ LM48-2020C | CZ LM55-2025C |
| Relay output | | | CZ LM48-2020C | CZ LM55-2025C | CZ LM55-2025JC |
| Controloutput | DC | | 200mA | 200mA | 200mA |
| | SCR/Relay | | 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) |
| Repeated precision | | 0.2 | 0.2 | 0.2 | 0.02 |
| DC/AC | | 200Hz/10Hz | 200Hz/10Hz | 200Hz/10Hz | 400Hz/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 | | ABS Resin | ABS Resin | ABS Resin | ABS Resin |
| Protection grade | | IP67 | IP67 | IP67 | IP67 |
| Alyemative model at home and abroad | | | SD-□□ | SE-□□ | SN04-N |
| | | | | | TL-Q5MC1 |

PROXIMITY SWITCH

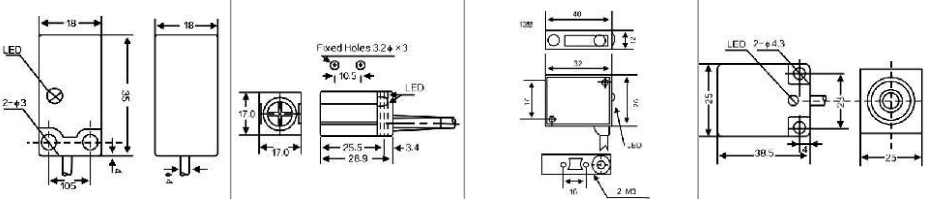
Structural category Angular column type

Outward Appearance code CZ LMF3 CZ LMF4 CZ LMF5 CZ LMF6

Outward appearance illustration



Overall dimensions

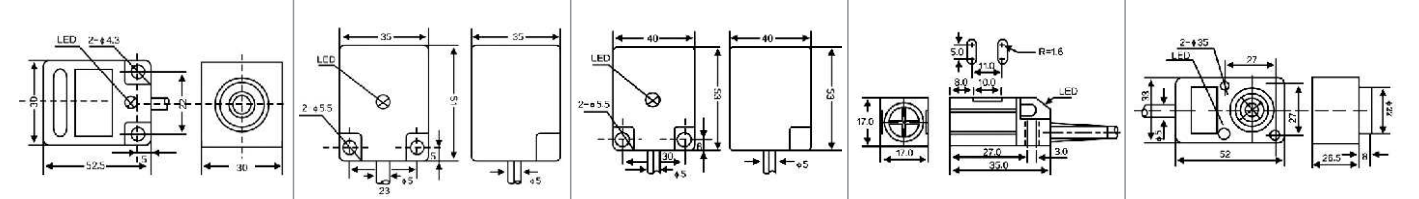


| | | DETECTION DISTANCE | | 5mm | 5mm | 2mm | 8mm | |
|-------------------------------------|-----------------|---|------------------|------------------|------------------|----------------|----------------|---------------|
| Flush | DC 10-30 VDC | NPN | NO | CZ LMF3-3005NA | CZ LMF4-3005NA | CZ LMF5-3002NA | CZ LMF6-3008NA | |
| | | | NC | CZ LMF3-3005NB | CZ LMF4-3005NB | CZ LMF5-3002NB | CZ LMF6-3008NB | |
| | | | NO+NC | CZ LMF4-3005NC | CZ LMF5-3002NC | CZ LMF6-3008NC | | |
| | | PNP | NO | CZ LMF3-3005PA | CZ LMF4-3005PA | CZ LMF5-3002PA | CZ LMF6-3008PA | |
| | | | NC | CZ LMF3-3005PB | CZ LMF4-3005PB | CZ LMF5-3002PB | CZ LMF6-3008PB | |
| | | | NO+NC | CZ LMF4-3005PC | CZ LMF5-3002PC | CZ LMF6-3008PC | | |
| | two wire system | NO | CZ LMF3-3005LA | CZ LMF4-3005LA | CZ LMF5-3002LA | CZ LMF6-3008LA | | |
| | | NC | CZ LMF3-3005LB | CZ LMF4-3005LB | CZ LMF5-3002LB | CZ LMF6-3008LB | | |
| | AC 90-250 VAC | Control-silicon | SCR | NO | | | | CZ LMF6-2008A |
| | | | NC | | | | CZ LMF6-2008B | |
| NO+NC | | | | | | | | |
| Relay output | | | | | | | | |
| | | DETECTION DISTANCE | | | | 4mm | 10mm | |
| 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 | |
| | two wire system | NO | | | CZ LMF5-3004LA | CZ LMF6-3010LA | | |
| | | NC | | | CZ LMF5-3004LB | CZ LMF6-3010LB | | |
| | AC 90-250 VAC | Control-silicon | SCR | NO | CZ LMF3-2005A | | | CZ LMF6-2010A |
| | | | NC | CZ LMF3-2005B | | | CZ LMF6-2010B | |
| NO+NC | | | | | | | | |
| Relay output | | | | | | | | |
| Control output | DC | | 200mA | 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





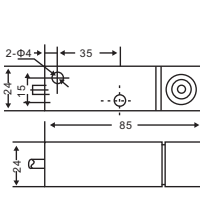
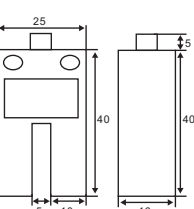
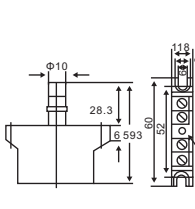
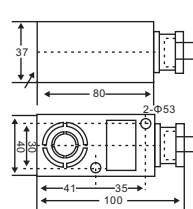
Angular column type

CZ LMF7 CZ LMF8 CZ LMF10 CZ LMF11 CZ LMF12






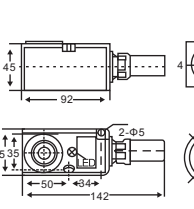
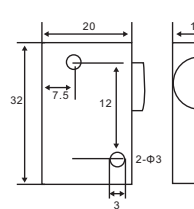
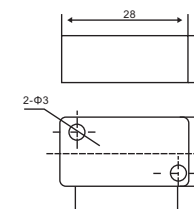
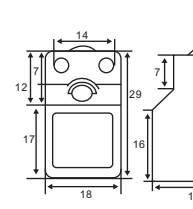
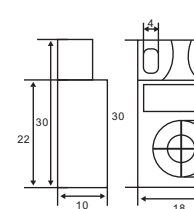


| | | DETECTION DISTANCE | | 10mm | 10mm | 15mm | 5mm | |
|-------------------------------------|-----------------|---|------------------|------------------|------------------|------------------|-----------------|--|
| Flush | DC 10-30 VDC | NPN | NO | CZ LMF7-3010NA | CZ LMF8-3010NA | CZ LMF10-3015NA | CZ LMF11-3005NA | |
| | | | NC | CZ LMF7-3010NB | CZ LMF8-3010NB | CZ LMF10-3015NB | CZ LMF11-3005NB | |
| | | | NO+NC | CZ LMF8-3010NC | CZ LMF10-3015NC | CZ LMF11-3005NC | | |
| | | PNP | NO | CZ LMF7-3010PA | CZ LMF8-3010PA | CZ LMF10-3015PA | CZ LMF11-3005PA | |
| | | | NC | CZ LMF7-3010PB | CZ LMF8-3010PB | CZ LMF10-3015PB | CZ LMF11-3005PB | |
| | | | NO+NC | CZ LMF8-3010PC | CZ LMF10-3015PC | CZ LMF11-3005PC | | |
| | two wire system | NO | CZ LMF7-3010LA | CZ LMF8-3010LA | CZ LMF10-3015LA | CZ LMF11-3005LA | | |
| | | NC | CZ LMF7-3010LB | CZ LMF8-3010LB | CZ LMF10-3015LB | CZ LMF11-3005LB | | |
| | AC 90-250 VAC | Control-silicon | SCR | NO | | | | |
| | | | NC | | | | | |
| NO+NC | | | | | | | | |
| Relay output | | | | | | | | |
| | | DETECTION DISTANCE | | 15mm | 15mm | 20mm | 8mm | |
| Non-Flush | DC 10-30 VDC | NPN | NO | CZ LMF7-3015NA | CZ LMF8-3015NA | CZ LMF10-3020NA | CZ LMF12-3008NA | |
| | | | NC | CZ LMF7-3015NB | CZ LMF8-3015NB | CZ LMF10-3020NB | CZ LMF12-3008NB | |
| | | | NO+NC | CZ LMF8-3015NC | CZ LMF10-3020NC | CZ LMF12-3008NC | | |
| | | PNP | NO | CZ LMF7-3015PA | CZ LMF8-3015PA | CZ LMF10-3020PA | CZ LMF12-3008PA | |
| | | | NC | CZ LMF7-3015PB | CZ LMF8-3015PB | CZ LMF10-3020PB | CZ LMF12-3008PB | |
| | | | NO+NC | CZ LMF8-3015PC | CZ LMF10-3020PC | CZ LMF12-3008PC | | |
| | two wire system | NO | CZ LMF7-3015LA | CZ LMF8-3015LA | CZ LMF10-3020LA | CZ LMF12-3008LA | | |
| | | NC | CZ LMF7-3015LB | CZ LMF8-3015LB | CZ LMF10-3020LB | CZ LMF12-3008LB | | |
| | AC 90-250 VAC | Control-silicon | SCR | NO | | | | |
| | | | NC | | | | | |
| NO+NC | | | | | | | | |
| Relay output | | | | | | | | |
| Control output | DC | | 200mA | 200mA | 200mA | 200mA | 200mA | |
| | SCR/Relay | | | 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 | | |





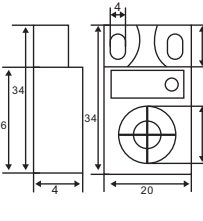
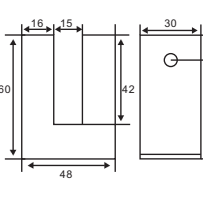
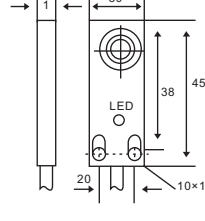
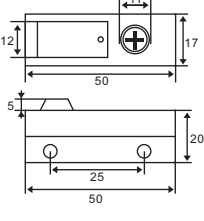
PROXIMITY SWITCH

| 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 | SCR | NO | | CZ LMF15-2002A | | |
| | | Control-silicon | NC | | CZ LMF15-2002B | | |
| 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 | SCR | NO | CZ LMF13-2008A | CZ LMF14-2005A | CZ LMF15-2004A | CZ LMF16-2015A |
| | | Control-silicon | NC | CZ LMF13-2008B | CZ LMF14-2005B | CZ LMF15-2004B | CZ LMF16-2015B |
| Relay output | | | | | CZ LMF16-2015C | | |
| 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-□□/□□□ | | |


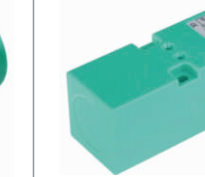
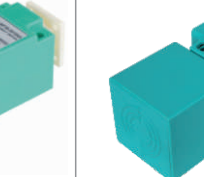
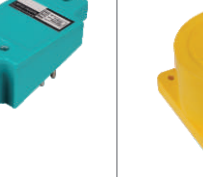
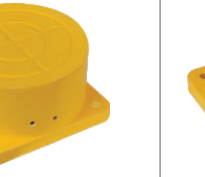
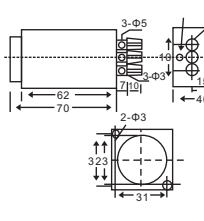
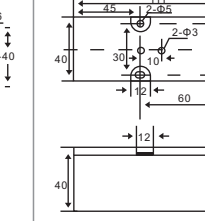
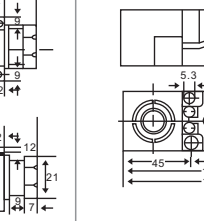
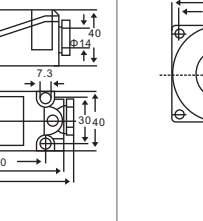
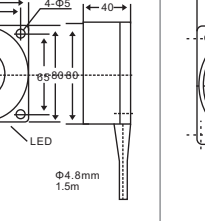
PROXIMITY SWITCH

| 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 | 4mm | 4mm | | |
| Flush | DC 10-30 VDC | NPN | NO | | CZ LMF22-3002NA | | | |
| | | | NC | | CZ LMF22-3002NB | | | |
| | | | NO+NC | | | | | |
| | | PNP | NO | | CZ LMF22-3002PA | | | |
| | | | NC | | CZ LMF22-3002PB | | | |
| | | | NO+NC | | | | | |
| | two wire system | NO | | CZ LMF22-3002LA | | | | |
| | | NC | | CZ LMF22-3002LB | | | | |
| | AC 90-250 VAC | SCR | NO | | | | | |
| | | Control-silicon | 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 | SCR | NO | CZ LMF17-2020A | | | | |
| | | Control-silicon | NC | CZ LMF17-2020B | | | | |
| Relay output | | CZ LMF17-2020C | | | | | | |
| Controloutput | | 200mA | 200mA | 200mA | 200mA | 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 | | | |
| | | | NC | | CZ LMF29-2005B | | | |
| NO+NC | | | | | | | | |
| 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 |
| | | | | 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

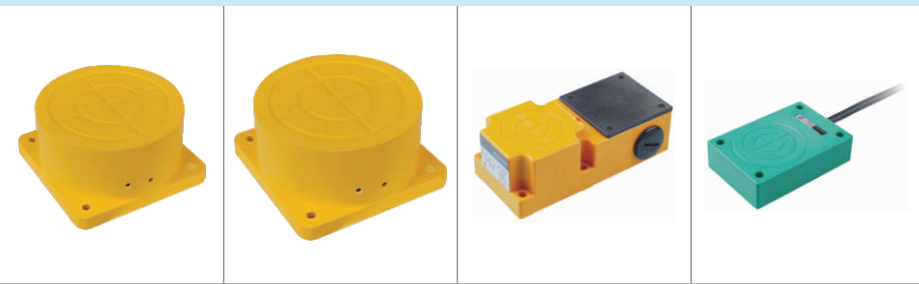
| Angular column type | | Plane installation type | | | | | | | |
|-------------------------------------|-----------------|---|---|---|---|---|-----------------|-----------------|-----------------|
| Outward Appearance code | | CZ LMF35 | CZ LMF36 | CZ LMF37 | CZ LMF38 | CZ LMF39 | | | |
| Outward appearance illustration | |  |  |  |  |  | | | |
| Overall dimensions | |  |  |  |  |  | | | |
| DETECTION DISTANCE | | 15mm | | | | | | | |
| 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 | | | | |
| | | | NC | | CZ LMF37-2015B | | | | |
| NO+NC | | | | CZ LMF37-2015C | | | | | |
| 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 |
| | | | | NC | CZ LMF35-2015B | CZ LMF36-2020B | CZ LMF37-2020B | CZ LMF38-2040B | CZ LMF39-2050B |
| | NO+NC | | | CZ LMF35-2015C | CZ LMF36-2020C | CZ LMF37-2020C | CZ LMF38-2040C | CZ LMF39-2050C | |
| | Relay output | | | | CZ LMF36-2020JC | CZ LMF37-2020JC | CZ LMF38-2040JC | CZ LMF39-2050JC | |
| | 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 | | | | | | | |
| Consumption current | | (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

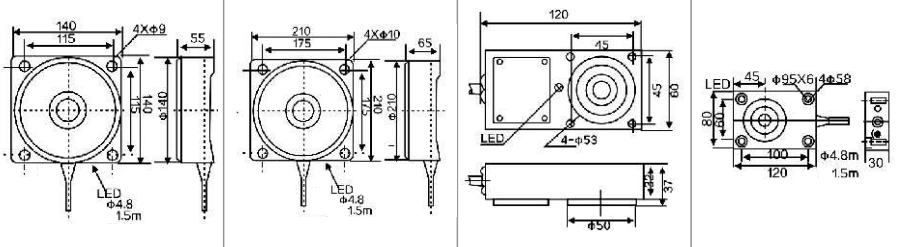
Structural category Plane installation type

Outward Appearance code CZ LMF40 CZ LMF41 CZ LMF42 CZ LMF43

Outward appearance illustration



Overall dimensions

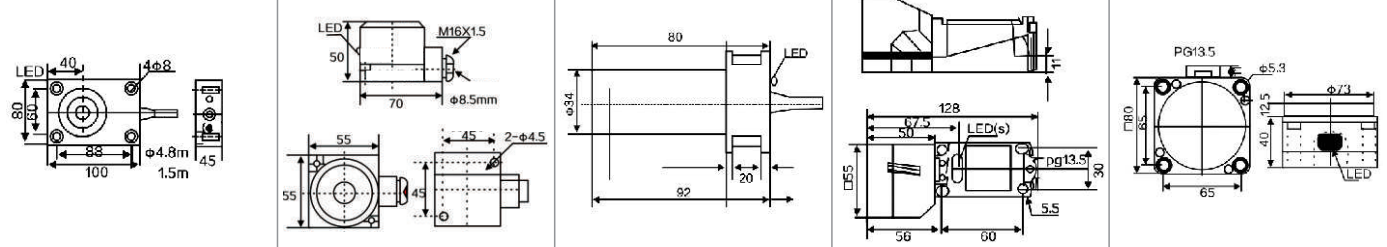


| | | DETECTION DISTANCE | | | | | |
|-------------------------------------|---------------------------|-----------------------|---|--------------------|------------------|--------------------|-----------------|
| Flush | DC 10-30 VDC | NPN | NO | | | | |
| | | | NC | | | | |
| | | | NO+NC | | | | |
| | | PNP | NO | | | | |
| | | | NC | | | | |
| | two wire system | NO | | | | | |
| | | NC | | | | | |
| | AC 90-250 VAC | SCR | NO | | | | |
| | | Control-lable silicon | 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 |
| | | | NO+NC | CZ LMF40-2080A | CZ LMF41-20120A | CZ LMF42-2025A | CZ LMF43-2040A |
| | AC 90-250 VAC | Control-lable silicon | 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 |
| | Controloutput | 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




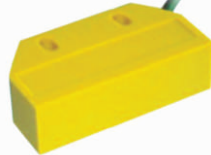
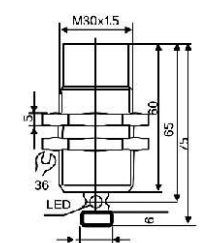
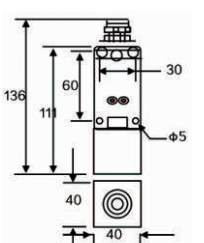
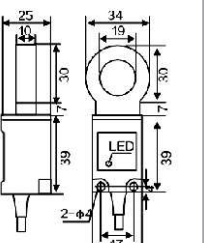
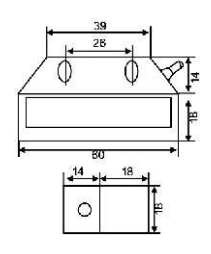
Plane installation type

CZ LMF45 CZ LMF55 CZ LMF340 CZ LMF370 CZ LMF380



| | | DETECTION DISTANCE | | | | | |
|-------------------------------------|---------------------------|---|---|------------------|------------------|------------------|------------------|
| Non-Flush | DC 10-30 VDC | NPN | 0-50mm | 25mm | 20mm | 40mm | 40mm |
| | | | CZ LMF45-3050NA | CZ LMF55-3025NA | CZ LMF340-3020NA | CZ LMF370-3040NA | CZ LMF380-3040NA |
| | | | CZ LMF45-3050NB | CZ LMF55-3025NB | CZ LMF340-3020NB | CZ LMF370-3040NB | CZ LMF380-3040NB |
| | | PNP | 0-50mm | 25mm | 20mm | 40mm | 40mm |
| | | | CZ LMF45-3050NC | CZ LMF55-3025NC | CZ LMF340-3020NC | CZ LMF370-3040NC | CZ LMF380-3040NC |
| | | | CZ LMF45-3050PA | CZ LMF55-3025PA | CZ LMF340-3020PA | CZ LMF370-3040PA | CZ LMF380-3040PA |
| | | two wire system | 0-50mm | 25mm | 20mm | 40mm | 40mm |
| | | | CZ LMF45-3050PB | CZ LMF55-3025PB | CZ LMF340-3020PB | CZ LMF370-3040PB | CZ LMF380-3040PB |
| | | | CZ LMF45-3050PC | CZ LMF55-3025PC | CZ LMF340-3020PC | CZ LMF370-3040PC | CZ LMF380-3040PC |
| | AC 90-250 VAC | Control-lable silicon | 0-50mm | 25mm | 20mm | 40mm | 40mm |
| | | | CZ LMF45-3050LA | CZ LMF55-3025LA | CZ LMF340-3020LA | CZ LMF370-3040LA | CZ LMF380-3040LA |
| | | | CZ LMF45-3050LB | CZ LMF55-3025LB | CZ LMF340-3020LB | CZ LMF370-3040LB | CZ LMF380-3040LB |
| | Relay output | 0-50mm | 25mm | 20mm | 40mm | 40mm | |
| | | CZ LMF45-2050A | CZ LMF55-2025A | CZ LMF340-2020A | CZ LMF370-2040A | CZ LMF380-2040A | |
| | | CZ LMF45-2050B | CZ LMF55-2025B | CZ LMF340-2020B | CZ LMF370-2040B | CZ LMF380-2040B | |
| | Controloutput | | 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铁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 | |

STRAIGHT CONNECTOR SWITCH

| Structural category | | Connector type | | | | | | |
|-------------------------------------|-----------------|---|---|--|---|-----------------|-----------------|----------------|
| Outward Appearance code | | CZ LM30-□T/LM30-□T3 | CZ LMF31 | CZ LMF32 | CZ LMF33 | | | |
| Outward appearance illustration | |  |  |  |  | | | |
| Overall dimensions | |  |  |  |  | | | |
| DETECTION DISTANCE | | 10mm | 15mm | 20mm | 5mm | | | |
| Flush | DC 6-36 VDC | NPN | NO | CZ LM30-3010NAT | CZ LMF31-3015NA | CZ LMF32-3020NA | CZ LMF33-3005NA | |
| | | | NC | CZ LM30-3010NBT | CZ LMF31-3015NB | CZ LMF32-3020NB | CZ LMF33-3005NB | |
| | | | NO+NC | CZ LM30-3010NCT | CZ LMF31-3015NC | CZ LMF32-3020NC | CZ LMF33-3005NC | |
| | | PNP | NO | CZ LM30-3010PAT | CZ LMF31-3015PA | CZ LMF32-3020PA | CZ LMF33-3005PA | |
| | | | NC | CZ LM30-3010PBT | CZ LMF31-3015PB | CZ LMF32-3020PB | CZ LMF33-3005PB | |
| | two wire system | NO+NC | CZ LM30-3010PCT | CZ LMF31-3015PC | CZ LMF32-3020PC | CZ LMF33-3005PC | | |
| | | NO | CZ LM30-3010LAT | CZ LMF31-3015LA | CZ LMF32-3020LA | CZ LMF33-3005LA | | |
| | | NC | CZ LM30-3010LBT | CZ LMF31-3015LB | CZ LMF32-3020LB | CZ LMF33-3005LB | | |
| | | AC 90-250 VAC | SCR | NO | CZ LM30-2010AT | CZ LMF31-2015A | CZ LMF32-2020A | CZ LMF33-2005A |
| | | | Control-silicon | NC | CZ LM30-2010BT | CZ LMF31-2015B | CZ LMF32-2020B | CZ LMF33-2005B |
| Relay output | | | | | | | | |
| DETECTION DISTANCE | | 15mm | 20mm | | 8mm | | | |
| Non-Flush | DC 10-30 VDC | NPN | NO | CZ LM30-3015NAT | CZ LMF31-3020NA | | CZ LMF33-3008NA | |
| | | | NC | CZ LM30-3015NBT | CZ LMF31-3020NB | | CZ LMF33-3008NB | |
| | | | NO+NC | CZ LM30-3015NCT | CZ LMF31-3020NC | | CZ LMF33-3008NC | |
| | | PNP | NO | CZ LM30-3015PAT | CZ LMF31-3020PA | | CZ LMF33-3008PA | |
| | | | NC | CZ LM30-3015PBT | CZ LMF31-3020PB | | CZ LMF33-3008PB | |
| | two wire system | NO+NC | CZ LM30-3015PCT | CZ LMF31-3020PC | | CZ LMF33-3008PC | | |
| | | NO | CZ LM30-3015LAT | CZ LMF31-3020LA | | CZ LMF33-3008LA | | |
| | | NC | CZ LM30-3015LBT | CZ LMF31-3020LB | | CZ LMF33-3008LB | | |
| | | AC 90-250 VAC | SCR | NO | CZ LM30-2015AT | CZ LMF31-2020A | | CZ LMF33-2008A |
| | | | Control-silicon | NC | CZ LM30-2015BT | CZ LMF31-2020B | | CZ LMF33-2008B |
| Relay output | | | | | | | | |
| Controloutput | DC | 200mA | 200mA | | | | | |
| | SCR/Relay | 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 | | | | | | | | |
| Repeated precision | | 0.5 | 0.5 | | | | | |
| DC/AC | | 200Hz/10Hz | 200Hz/10Hz | | | | | |
| Working environment temperature | | -25°C~+65°C | -25°C~+65°C | | | | | |
| Insulation resistance | | 50MΩ | 50MΩ | | | | | |
| Shell material | | Metal | Metal | | | | | |
| Protection grade | | IP67 | IP67 | | | | | |
| Alyemative model at home and abroad | | EZE-X18ME1-M1 | | | | | | |