

CAPACITIVE SENSORS - PROXIMITY SERIES



Switching frequency:
200 Hz

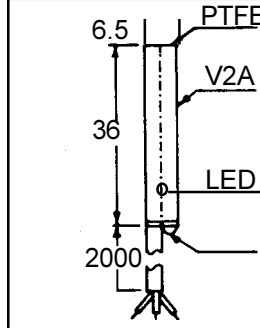
Housing material:
V2A/PTFE

Output current:
200mA

Max. switching power:
4.8 W

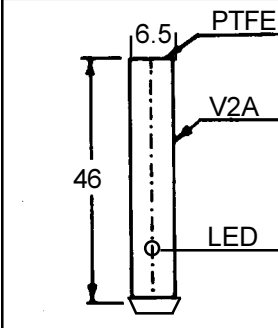
Ambient temperature:
-10 ... +70°C

6.5 Ø Sensing distance Sn:
◆ 1.5 mm ± 10%



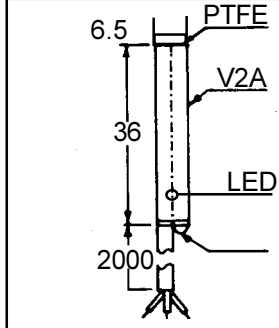
LCC-6.5/36-1.5-F-P-NO
LCC-6.5/36-1.5-F-P-NC
LCC-6.5/36-1.5-F-N-NO
LCC-6.5/36-1.5-F-N-NC
3 x 0.14 mm² PUR cable

6.5 Ø Sensing distance Sn:
◆ 1.5 mm ± 10%



LCCQ-6.5/46-1.5-F-P-NO
LCCQ-6.5/46-1.5-F-P-NC
LCCQ-6.5/46-1.5-F-N-NO
LCCQ-6.5/46-1.5-F-N-NC
Connector Z10, Z11

6.5 Ø Sensing distance Sn:
■ 3 mm ± 10%



LCC-6.5/36-3-NF-P-NO
LCC-6.5/36-3-NF-P-NC
LCC-6.5/36-3-NF-N-NO
LCC-6.5/36-3-NF-N-NC
3 x 0.14 mm² PUR cable

Connector or cable:

Switching frequency:
200 Hz

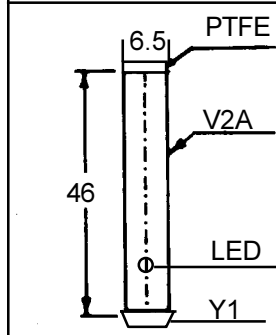
Housing material:
V2A/PTFE

Output current:
200mA

Max. switching power:
4.8 W

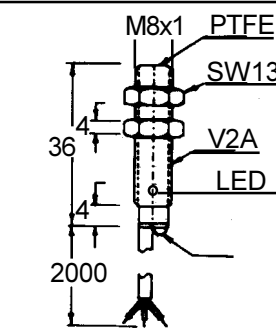
Ambient temperature:
-10 ... +70°C

6.5 Ø Sensing distance Sn:
■ 3 mm ± 10%



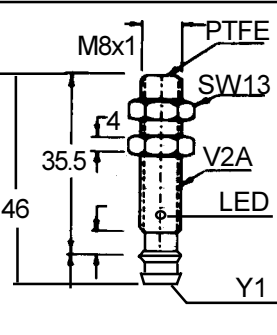
LCCQ-6.5/46-3-NF-P-NO
LCCQ-6.5/46-3-NF-P-NC
LCCQ-6.5/46-3-NF-N-NO
LCCQ-6.5/46-3-NF-N-NC
Connector Z10, Z11

M8 Sensing distance Sn:
◆ 1.5 mm ± 10%



LCC-M8/36-1.5-F-P-NO
LCC-M8/36-1.5-F-P-NC
LCC-M8/36-1.5-F-N-NO
LCC-M8/36-1.5-F-N-NC
3 x 0.14 mm² PUR cable

M8 Sensing distance Sn:
◆ 1.5 mm ± 10%



LCCQ-M8/46-1.5-F-P-NO
LCCQ-M8/46-1.5-F-P-NC
LCCQ-M8/46-1.5-F-N-NO
LCCQ-M8/46-1.5-F-N-NC
Connector Z10, Z11

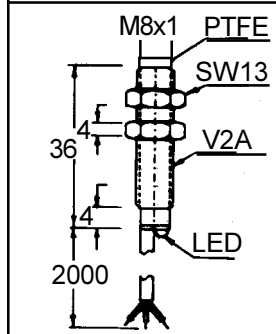
Connector or cable:

Housing material:
V2A/PTFE

Output current:
200mA

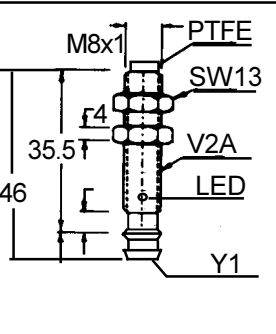
Max. switching power:
4.8 W

M8 Sensing distance Sn:
■ 3 mm ± 10%



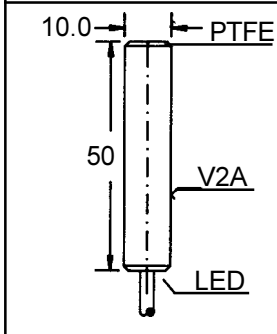
LCC-M8/36-3-NF-P-NO
LCC-M8/36-3-NF-P-NC
LCC-M8/36-3-NF-N-NO
LCC-M8/36-3-NF-N-NC

M8 Sensing distance Sn:
■ 3 mm ± 10%



LCCQ-M8/46-3-NF-P-NO
LCCQ-M8/46-3-NF-P-NC
LCCQ-M8/46-3-NF-N-NO
LCCQ-M8/46-3-NF-N-NC
Connector Z10, Z11

10 Ø Sensing distance Sn:
◆ 1... 4 mm adjustable



LCC-10-4-F-P-NO
LCC-10-4-F-P-NC
LCC-10-4-F-N-NO
LCC-10-4-F-N-NC

Connector or cable:
Switching frequency:
Ambient temperature:

3 x 0.14 mm² PUR cable
200 Hz
-10 ... +70°C

Connector Z10, Z11
200 Hz
-10 ... +70°C

3 x 0.14 mm² PUR cable
100 Hz
-30 ... +70°C

CAPACITIVE SENSORS - PROXIMITY SERIES

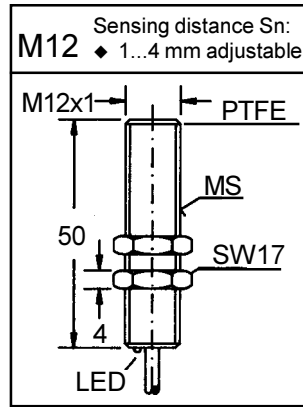


Switching frequency:
100 Hz

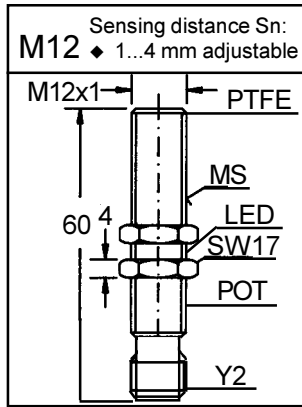
Housing material:
As shown in drawing

Ambient temperature:
-30 ... +70°C

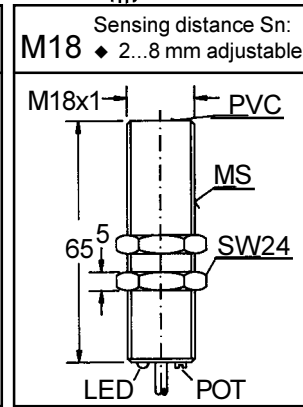
Connector or cable:
Output current:
Max. switching power:



LCC-M12-4-F-P-NO
LCC-M12-4-F-P-NC
LCC-M12-4-F-N-NO
LCC-M12-4-F-N-NC
3 x 0.14 mm² PUR cable
200mA
4.8 W



LCCQ-M12-4-F-P-NO
LCCQ-M12-4-F-P-NC
LCCQ-M12-4-F-N-NO
LCCQ-M12-4-F-N-NC
3 x 0.25 mm² PUR cable
200mA
7.2 W



LCC-M18-8-F-P-NO
LCC-M18-8-F-P-NC
LCC-M18-8-F-N-NO
LCC-M18-8-F-N-NC
3 x 0.25 mm² PUR cable
300mA
7.2 W

Switching frequency:
100 Hz

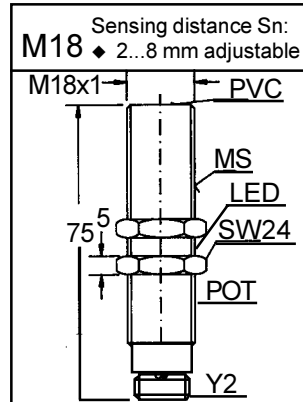
Housing material:
As shown in drawing

Output current:
300mA

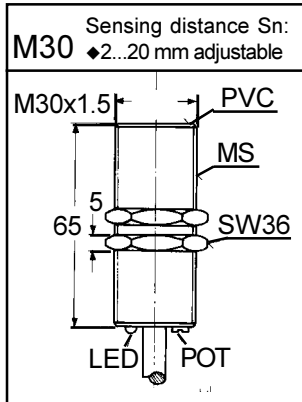
Max. switching power:
7.2 W

Ambient temperature:
-30 ... +70°C

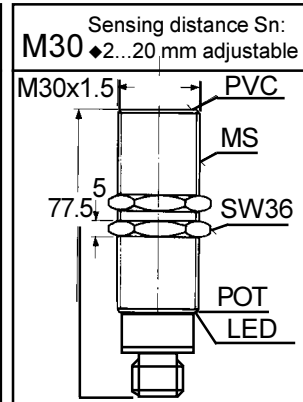
Connector or cable:



LCCQ-M18-8-F-P-NO
LCCQ-M18-8-F-P-NC
LCCQ-M18-8-F-N-NO
LCCQ-M18-8-F-N-NC
Connector Z20, Z21



LCC-M30-20-F-P-NO
LCC-M30-20-F-P-NC
LCC-M30-20-F-N-NO
LCC-M30-20-F-N-NC
3 x 0.5 mm² PUR cable



LCCQ-M30-20-F-P-NO
LCCQ-M30-20-F-P-NC
LCCQ-M30-20-F-N-NO
LCCQ-M30-20-F-N-NC
Connector Z20, Z21

PART NUMBER KEY:

Example:
LCC - 10 - 4 - F - P - NO

LCC Proximity sensor
LCC = cable connect
LCCQ = quick disconnect

10 Housing diameter (mm)
M = thread size

4 Maximum sensing distance (mm)

F Mounting
F = Flush
NF = Non-flush

P Output
P = PNP output
N = NPN output

NO NO = Normally open
NC = Normally closed

Technical Data:

Switching hysteresis
Switchpoint reprod. (T = const.)
Temperature drift
Protection class DIN 40050
Supply voltage U_B
Permissible ripple
No-load current (24 VDC)
Residual voltage U_A L-signal
Residual voltage U_A H-signal
Short circuit protection
Overload protection
EMF protection
Reverse polarity protection

typ. 15% of Sn
 ≤ 0.01 mm
approx. 0.025 mm/°C
IP 65 - IP 67
10 .. 30 VDC
 $\leq 10\%$ U_B
approx. 10 mA
approx. 0.8 VDC
approx. U_B VDC
Included
Included
Included
Included