

CERTIFICATE OF COMPLIANCE

Certificate Number 20170306-E87056
Report Reference E87056-19910314
Issue Date 2017-MARCH-06

Issued to: Pepperl+Fuchs GMBH
LILIENTHALSTRASSE 200
68307 MANNHEIM GERMANY

**This is to certify that
representative samples of**

PROXIMITY SWITCHES
SEE ADDENDUM PAGE for Models/Product

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

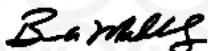
UL 60947-1 - Low-Voltage Switchgear and Controlgear –
Part 1: General Rules
UL 60947-5-2 - Low-voltage Switchgear and Controlgear -
Part 5-2: Control Circuit Devices and Switching Elements -
Proximity Switches
CSA C22.2 NO. 60947-1-13 - Low-Voltage Switchgear and
Controlgear – Part 1: General Rules
CSA C22.2 NO. 60947-5-2-14 - Low-voltage Switchgear
and Controlgear - Part 5-2: Control Circuit Devices and
Switching Elements - Proximity Switches

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models/Product

USL, CNL - Proximity Switches, Series C, N, P, IA, R, S, and M followed by a number/letter combination.

USL, CNL - Proximity Switches for connection to Class 2 power supply only, Series M5, MA14, MD14, ML5, MV5, MV14, MLV14, O, U, ACX, ACY, INX or INY followed by any number/Letter combination.

USL, CNL - Proximity Switches for connection to Class 2 power supply only, Series LD, LV, RL, RLG, RL28, RLG28, LV28, LD28, LT, M, MS, MV, ML, MLV, GD, GV, GLV, GL, GLE, DK, DF, ST-54.1, ST-H.1, HDM-H, SU, LS610-DA, LS611-DA, FLT, VDM, WTS, ME7, MVE7, MLE7; may be followed by any number; may be followed by -6, -6-G, -8, -8-H, -8-HW, -8-HS, -8-HGU, -8-V, -8-HV, -8-W, -54, -54-G, -55, -55-G, -P, -T, -R, -LL; may be followed by any number and/or letter combination, or a number range consisting of two sets of numbers separated by a “ - ”; may be followed by -AS-I, -E, -F, -IR, -L, -RT, -UV, -LAS, -3K, -P, -IBS, -EIP, -PN, -SSI, -EHB, -IO, -F1, -F2, -F3, -F4, -D, -LL-G, -LL-K, -R, -Z, -A, -S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, -V or HT; followed by a number/letter combination.

USL, CNL - Models NBB20-L3M-U, may be followed by -C3, followed by V-12 or V-93.


USL, CNL, Models NBB20-U1-A0, NBB20-U10-A2, NBB30-U1-A0, NBB30-U1-A2.
NBB8-18GM50-E2, NBB4-12GM50-E2-V1, NBN8-12GM55-ES-V1, NBB8-18GM50-E2-V1, NBN12-18GM60-E2-V1, NBB15-30GM50-E2-V1, NBB8-18GM50-E2.

USL, CNL - Models NBN3-F31-U8 followed by alphanumeric characters.
NBN3-F31-E8 followed by alphanumeric characters.
NBN3-F31-N4 followed by alphanumeric characters.

(+) The following switches are not covered by this Report.

1. Any switch utilizing No. 3I AWG or smaller wire.

Exception: Models with plastic terminal block housings utilizing a Listed cord grip in conjunction with a cord whose diameter is within the minimum/maximum parameters specified by the cord grip manufacturer (additional suffix Y)



Bruce Mahrenholz, Director North American Certification Program
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