

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L87056-11-41301991-3
Report Reference E87056-19910314
Date 22-Sep-2021

Issued to: Pepper+Fuchs SE
Lilienthalstrasse 200 Mannheim
Germany 68307

This is to certify that representative samples of NRKH - Proximity Switches
See Addendum Page for Product Designation(s).

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

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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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

Model	Category Description
M5 Series, ACX@	Proximity switches for connection to Class 2 power supply only
M5 Series, ACY@	Proximity switches for connection to Class 2 power supply only
DF, 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.	Proximity switches for connection to Class 2 power supply only
DK, 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.	Proximity switches for connection to Class 2 power supply only
FLT, 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.	Proximity switches for connection to Class 2 power supply only
FLT-D@	Proximity switches
GD, 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	Proximity switches for connection to Class 2 power supply only

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program



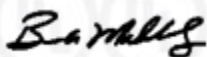
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separated by a “ – ”, may be followed by –AS-I, -E, -F, -IR, -L, -RT, -UV, -LAS, -3K, -P, -IBS, -EIP, -PN, -SSI, -EHB, -IO, -F1, -F2, -F3, -F4, -D, -LL-G, -LL-K, -R, -Z, -A, -S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, -V or HT, followed by a number/letter combination.	
GL, 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.	Proximity switches for connection to Class 2 power supply only
GLE, 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.	Proximity switches for connection to Class 2 power supply only
GLE@	Proximity switches
GLV, 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.	Proximity switches for connection to Class 2 power supply only
GV, 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.	Proximity switches for connection to Class 2 power supply only



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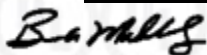
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HDM-H, may be followed by any number, may be followed by -6, -6-G, -8, -8-H,-8-HW, -8-HS, -8-HGU, -8-V, -8-HV, -8-W, -54, -54-G, -55, -55-G, -P, -T, -R, -LL, may be followed by any number and/or letter combination, or a number range consisting of two 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.	Proximity switches for connection to Class 2 power supply only
HDM-H@	Proximity switches
M5 Series, INX@	Proximity switches for connection to Class 2 power supply only
M5 Series, INY@	Proximity switches for connection to Class 2 power supply only
LD, 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.	Proximity switches for connection to Class 2 power supply only
LD28, 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.	Proximity switches for connection to Class 2 power supply only
LS610-DA, 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.	Proximity switches for connection to Class 2 power supply only
LS611-DA, may be followed by any number, may be followed by -6, -6-G, -8, -8-H,-8-HW, -8-HS, -8-HGU, -8-	Proximity switches for connection to Class 2 power supply only



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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.	
LS611-DA@	Proximity switches
LT, 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.	Proximity switches for connection to Class 2 power supply only
LV, 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.	Proximity switches for connection to Class 2 power supply only
LV28, 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.	Proximity switches for connection to Class 2 power supply only
LV28@	Proximity switches
M, 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, -	Proximity switches for connection to Class 2 power supply only

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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.	
M5@	Proximity switches
M71@	Proximity switches for connection to Class 2 power supply only
M7@	Proximity switches for connection to Class 2 power supply only
M5 Series, MA14@	Proximity switches for connection to Class 2 power supply only
M5 Series, MD14@	Proximity switches for connection to Class 2 power supply only
ME7, 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.	Proximity switches for connection to Class 2 power supply only
ML, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, ML5@	Proximity switches for connection to Class 2 power supply only
ML71@	Proximity switches for connection to Class 2 power supply only
ML7@	Proximity switches for connection to Class 2 power supply only
ML8@	Proximity switches for connection to Class 2 power supply only
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, -	Proximity switches for connection to Class 2 power supply only

B. Mahlen

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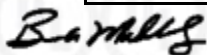
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EHB, -IO, -F1, -F2, -F3, -F4, -D, -LL-G, -LL-K, -R, -Z, -A, -S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, -V or HT, followed by a number/letter combination.	
MLV, may be followed by any number, may be followed by -6, -6-G, -8, -8-H, -8-HW, -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.	Proximity switches for connection to Class 2 power supply only
M5 Series, MLV14@	Proximity switches for connection to Class 2 power supply only
MS, 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.	Proximity switches for connection to Class 2 power supply only
MV, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, MV14@	Proximity switches for connection to Class 2 power supply only
M5 Series, MV5@	Proximity switches for connection to Class 2 power supply only
MV71@	Proximity switches for connection to Class 2 power supply only
MV7@	Proximity switches for connection to Class 2 power supply only
MVE7, 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	Proximity switches for connection to Class 2 power supply only



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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.	
MVE7@	Proximity switches
NBB15-30GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBB20-C3-V12	Proximity switches for connection to Class 2 power supply only
NBB20-C3-V93	Proximity switches for connection to Class 2 power supply only
NBB20-L3M-U	Proximity switches for connection to Class 2 power supply only
NBB20-U1-A0	Proximity switches for connection to Class 2 power supply only
NBB20-U10-A2	Proximity switches for connection to Class 2 power supply only
NBB30-U1-A0	Proximity switches for connection to Class 2 power supply only
NBB30-U1-A2	Proximity switches for connection to Class 2 power supply only
NBB4-12GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBB8-18GM50-E2	Proximity switches for connection to Class 2 power supply only
NBB8-18GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBN12-18GM60-E2-V1	Proximity switches for connection to Class 2 power supply only
NBN3-F31-E8 followed by alphanumeric characters	Class 2 proximity switches
NBN3-F31-N4 followed by alphanumeric characters	Class 2 proximity switches
NBN3-F31-U8 followed by alphanumeric characters	Class 2 proximity switches
NBN8-12GM55-ES-V1	Proximity switches for connection to Class 2 power supply only
M5 Series, O@	Proximity switches for connection to Class 2 power supply only
PB1-003-4+	AC palm buttons
PB1-003-5+	AC palm buttons
PB1-003-6+	AC palm buttons
PB1-008-6+	AC palm buttons
PB1-010-9+	AC palm buttons
PB2-003-4+	DC palm buttons
PB2-003-5+	DC palm buttons
PB2-003-6+	DC palm buttons

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RL, 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.	Proximity switches for connection to Class 2 power supply only
RL28, 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.	Proximity switches for connection to Class 2 power supply only
RLG, 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.	Proximity switches for connection to Class 2 power supply only
RLG28, 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.	Proximity switches for connection to Class 2 power supply only
RLG28@	Proximity switches
Series C, N, P, IA, R, S, and M@	Proximity switches
ST-54.1, 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	Proximity switches for connection to Class 2 power supply only



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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.	
ST-54.1@	Proximity switches
ST-H.1, 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.	Proximity switches for connection to Class 2 power supply only
SU, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, U@	Proximity switches for connection to Class 2 power supply only
VDM, 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.	Proximity switches for connection to Class 2 power supply only
WTS, 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,	Proximity switches for connection to Class 2 power supply only

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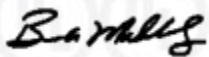
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-S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, - V or HT, followed by a number/letter combination.	
WTS10@	Proximity switches



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Report Reference E87056-19910314
Date 22-Sep-2021

Issued to: Pepperl+Fuchs SE
Lilienthalstrasse 200 Mannheim
Germany 68307

This is to certify that representative samples of NRKH7 - Proximity Switches Certified for Canada
See Addendum Page for Product Designation(s).

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

Standard(s) for Safety: CSA C22.2 NO. 60947-1-13 - Low-Voltage Switchgear and Controlgear – Part 1: General Rules

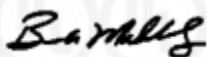
CSA C22.2 NO. 60947-5-2-14 - Low-voltage Switchgear and Controlgear - Part 5-2: Control Circuit Devices and Switching Elements - Proximity Switches

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



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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

Model	Category Description
M5 Series, ACX@	Proximity switches for connection to Class 2 power supply only
M5 Series, ACY@	Proximity switches for connection to Class 2 power supply only
DF, 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.	Proximity switches for connection to Class 2 power supply only
DK, 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.	Proximity switches for connection to Class 2 power supply only
FLT, 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.	Proximity switches for connection to Class 2 power supply only
FLT-D@	Proximity switches
GD, 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	Proximity switches for connection to Class 2 power supply only

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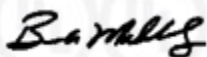
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separated by a “ – “, may be followed by –AS-I, -E, -F, -IR, -L, -RT, -UV, -LAS, -3K, -P, -IBS, -EIP, -PN, -SSI, -EHB, -IO, -F1, -F2, -F3, -F4, -D, -LL-G, -LL-K, -R, -Z, -A, -S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, -V or HT, followed by a number/letter combination.	
GL, 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.	Proximity switches for connection to Class 2 power supply only
GLE, 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.	Proximity switches for connection to Class 2 power supply only
GLE@	Proximity switches
GLV, 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.	Proximity switches for connection to Class 2 power supply only
GV, 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.	Proximity switches for connection to Class 2 power supply only



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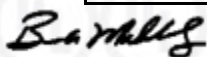
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HDM-H, may be followed by any number, may be followed by -6, -6-G, -8, -8-H,-8-HW, -8-HS, -8-HGU, -8-V, -8-HV, -8-W, -54, -54-G, -55, -55-G, -P, -T, -R, -LL, may be followed by any number and/or letter combination, or a number range consisting of two 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.	Proximity switches for connection to Class 2 power supply only
HDM-H@	Proximity switches
M5 Series, INX@	Proximity switches for connection to Class 2 power supply only
M5 Series, INY@	Proximity switches for connection to Class 2 power supply only
LD, 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.	Proximity switches for connection to Class 2 power supply only
LD28, 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.	Proximity switches for connection to Class 2 power supply only
LS610-DA, 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.	Proximity switches for connection to Class 2 power supply only
LS611-DA, may be followed by any number, may be followed by -6, -6-G, -8, -8-H,-8-HW, -8-HS, -8-HGU, -8-	Proximity switches for connection to Class 2 power supply only



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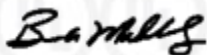
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V, -8-HV, -8-W, -54, -54-G, -55, -55-G, -P, -T, -R, -LL, may be followed by any number and/or letter combination, or a number range consisting of two sets of numbers separated by a “ - ”, may be followed by -AS-I, -E, -F, -IR, -L, -RT, -UV, -LAS, -3K, -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.	
LS611-DA@	Proximity switches
LT, 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.	Proximity switches for connection to Class 2 power supply only
LV, 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.	Proximity switches for connection to Class 2 power supply only
LV28, 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.	Proximity switches for connection to Class 2 power supply only
LV28@	Proximity switches
M, 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, -	Proximity switches for connection to Class 2 power supply only



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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.	
M5@	Proximity switches
M71@	Proximity switches for connection to Class 2 power supply only
M7@	Proximity switches for connection to Class 2 power supply only
M5 Series, MA14@	Proximity switches for connection to Class 2 power supply only
M5 Series, MD14@	Proximity switches for connection to Class 2 power supply only
ME7, 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.	Proximity switches for connection to Class 2 power supply only
ML, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, ML5@	Proximity switches for connection to Class 2 power supply only
ML71@	Proximity switches for connection to Class 2 power supply only
ML7@	Proximity switches for connection to Class 2 power supply only
ML8@	Proximity switches for connection to Class 2 power supply only
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, -	Proximity switches for connection to Class 2 power supply only

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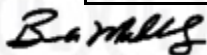
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EHB, -IO, -F1, -F2, -F3, -F4, -D, -LL-G, -LL-K, -R, -Z, -A, -S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, -V or HT, followed by a number/letter combination.	
MLV, may be followed by any number, may be followed by -6, -6-G, -8, -8-H, -8-HW, -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.	Proximity switches for connection to Class 2 power supply only
M5 Series, MLV14@	Proximity switches for connection to Class 2 power supply only
MS, 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.	Proximity switches for connection to Class 2 power supply only
MV, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, MV14@	Proximity switches for connection to Class 2 power supply only
M5 Series, MV5@	Proximity switches for connection to Class 2 power supply only
MV71@	Proximity switches for connection to Class 2 power supply only
MV7@	Proximity switches for connection to Class 2 power supply only
MVE7, 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	Proximity switches for connection to Class 2 power supply only



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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.	
MVE7@	Proximity switches
NBB15-30GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBB20-C3-V12	Proximity switches for connection to Class 2 power supply only
NBB20-C3-V93	Proximity switches for connection to Class 2 power supply only
NBB20-L3M-U	Proximity switches for connection to Class 2 power supply only
NBB20-U1-A0	Proximity switches for connection to Class 2 power supply only
NBB20-U10-A2	Proximity switches for connection to Class 2 power supply only
NBB30-U1-A0	Proximity switches for connection to Class 2 power supply only
NBB30-U1-A2	Proximity switches for connection to Class 2 power supply only
NBB4-12GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBB8-18GM50-E2	Proximity switches for connection to Class 2 power supply only
NBB8-18GM50-E2-V1	Proximity switches for connection to Class 2 power supply only
NBN12-18GM60-E2-V1	Proximity switches for connection to Class 2 power supply only
NBN3-F31-E8 followed by alphanumeric characters	Class 2 proximity switches
NBN3-F31-N4 followed by alphanumeric characters	Class 2 proximity switches
NBN3-F31-U8 followed by alphanumeric characters	Class 2 proximity switches
NBN8-12GM55-ES-V1	Proximity switches for connection to Class 2 power supply only
M5 Series, O@	Proximity switches for connection to Class 2 power supply only
PB1-003-4+	AC palm buttons
PB1-003-5+	AC palm buttons
PB1-003-6+	AC palm buttons
PB1-008-6+	AC palm buttons
PB1-010-9+	AC palm buttons
PB2-003-4+	DC palm buttons
PB2-003-5+	DC palm buttons
PB2-003-6+	DC palm buttons

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RL, 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.	Proximity switches for connection to Class 2 power supply only
RL28, 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.	Proximity switches for connection to Class 2 power supply only
RLG, 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.	Proximity switches for connection to Class 2 power supply only
RLG28, 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.	Proximity switches for connection to Class 2 power supply only
RLG28@	Proximity switches
Series C, N, P, IA, R, S, and M@	Proximity switches
ST-54.1, 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	Proximity switches for connection to Class 2 power supply only



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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.	
ST-54.1@	Proximity switches
ST-H.1, 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.	Proximity switches for connection to Class 2 power supply only
SU, 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.	Proximity switches for connection to Class 2 power supply only
M5 Series, U@	Proximity switches for connection to Class 2 power supply only
VDM, 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.	Proximity switches for connection to Class 2 power supply only
WTS, 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,	Proximity switches for connection to Class 2 power supply only

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program



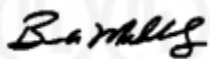
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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L87056-31-41301991-3
Report Reference E87056-19910314
Date 22-Sep-2021

-S, -M, -MS, -S, -B3B, -FFP, -PCB, -R1, -L1, -MD, -SD, - V or HT, followed by a number/letter combination.	
WTS10@	Proximity switches



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2133367-0
Report Reference E87056-19910314
Date 22-Sep-2021

Issued to: Pepperl+Fuchs SE
Lilienthalstrasse 200 Mannheim
Germany 68307

This is to certify that representative samples of NRKH7 - Proximity Switches Certified for Canada
See Addendum Page for Product Designation(s).

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

Standard(s) for Safety: CSA C22.2 NO. 60947-1-13 - Low-Voltage Switchgear and Controlgear – Part 1: General Rules

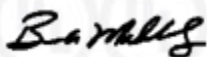
CSA C22.2 NO. 60947-5-2-14 - Low-voltage Switchgear and Controlgear - Part 5-2: Control Circuit Devices and Switching Elements - Proximity Switches

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



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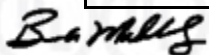


CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2133367-0
Report Reference E87056-19910314
Date 22-Sep-2021

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

Model	Category Description
C@	Proximity switches
DF12@	Proximity switches
GD18@	Proximity switches
GLV18@	Proximity switches
GV18@	Proximity switches
IA@	Proximity switches
LD28@	Proximity switches
LD29@	Proximity switches
LS610-DA@	Proximity switches
LT6@	Proximity switches
LV29@	Proximity switches
M4.1@	Proximity switches
M40@	Proximity switches
M41@	Proximity switches
M6@	Proximity switches
M71@	Proximity switches
M7@	Proximity switches
M9@	Proximity switches
M@	Proximity switches
MA14@	Proximity switches
ME7@	Proximity switches
ML10@	Proximity switches
ML18@	Proximity switches
ML5@	Proximity switches
ML71@	Proximity switches
ML7@	Proximity switches
ML8@	Proximity switches
ML9@	Proximity switches
MLE7@	Proximity switches
MLV12@	Proximity switches
MLV40@	Proximity switches
MLV41@	Proximity switches
MS32@	Proximity switches
MV12@	Proximity switches
MV4.2@	Proximity switches
MV41@	Proximity switches
MV5@	Proximity switches
MV71@	Proximity switches
MV7@	Proximity switches



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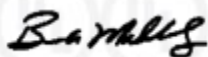
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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2133367-0
Report Reference E87056-19910314
Date 22-Sep-2021

MV8@	Proximity switches
MV9@	Proximity switches
N@	Proximity switches
O@	Proximity switches
P@	Proximity switches
R@	Proximity switches
RL28@	Proximity switches
RL29@	Proximity switches
S@	Proximity switches
ST-H.1@	Proximity switches
VDM100@	Proximity switches
VDM28@	Proximity switches
VDM70@	Proximity switches



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