

Certificate of Compliance

Certificate Number:

UL-US-L117437-111-
20508891-5

Report Reference:

E117437-19880502

Issue Date:

2024-11-04

Issued to:

Balluff GmbH
Schurwaldstrasse 9 Neuhausen a.d.F. 73765
Germany

This certificate confirms that representative samples of:
NRKH - Proximity Switches

See Addendum Page for Product Designation(s).

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

UL 60947-1, 5th Ed., Issue Date: 2013-07-31, Revision Date: 2019-05-06, UL 60947-5-2, 3rd Ed., Issue Date: 2014-03-28

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance 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.



A handwritten signature in black ink that reads 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-L117437-111-20508891-5
Report reference E117437-19880502
Date 2024-11-04

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

Model	Product Description
Accessories BES or BML followed by Z, followed by a four digit number	Proximity switches
BAW, followed by five or six letters and/or numbers, followed by B, I or U, followed by A, B, C of L, followed by C, D, E, F or Z, followed by three letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches
BES, followed by 515, 516 or 517, followed by a three or four digit number beginning with 1 or 3, may be followed by additional letters and/or numbers.	Proximity switches
BES, followed by four to six letters and/or numbers, followed by two or three letters and/or numbers, followed by C, L, D, F, G, X, B, H, J, Q, R, S or Y, followed by four letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular/Rectangular Series
BES-517, followed by a three-digit number beginning with 1 or 3, followed by U or P or M, followed by one letter, followed by a one-digit number, may be followed by additional suffix letters and/or numbers.	Unisensor proximity switches
BHS, followed by four to five letters and/or numbers, followed by Y, P, N, G or U, followed by S, O, A or P, I or N, followed by C, L, D, X, F or G, followed by two letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches
BIL, followed by three or four letters and/or numbers, followed by B, P, Q, R, S, T followed by three numbers, followed by one letter, followed by two numbers may be followed by /two numbers, followed by three to six letters and/or numbers may be followed by additional letters and/or numbers.	Proximity switches
BMF, followed by a two or three digit number, followed by K, E or M, may be followed by F, H, W or B, may be followed by A, G, T, R, or H, followed by one to four digits R, M, P, N, Y, K, S, O, N, X, A or I, followed by one or two characters X, E, F, L, C, D, Y, W or T, followed by one to two digits, may be followed by additional suffix letters or numbers.	Proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G, or U, followed by S, O, A or P, followed by C, D, L or X, followed by three or four letters and/or numbers, may be followed by additional letters and/or numbers.	Rectangular proximity switches



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PROX, followed by 515, 516 or 517, followed by a three or four digit number beginning with 1, 3 or 5, may be followed by additional letters and/or numbers.	Rectangular proximity switches
PROX, followed by 515, 516 or 517 followed by a three or four digit number, beginning with 1, 3 or 5, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by 921 and up to seven letters and/or numbers, may be followed by additional letters and/or numbers.	Sensor proximity switches
PROX, followed by 922 and up to seven letters and/or numbers, followed by A, B or C, followed by 1 to 9, followed by N or P, may be followed by additional letters and/or numbers	Sensor proximity switches
PROX, followed by 924 and followed by three letters and/or numbers, followed by additional two or four letters and/or numbers, may be followed by additional letters and/or numbers.	Sensor proximity switches
PROX, followed by four or five letters and/or numbers, followed by P, N, Z, T, M, X or numbers, followed by A, B, C, V, D, E, M or numbers, followed by 0, 1, 2, 3, 4, 5, 6, 7, E, F, G, J or K, followed by 0, 1, 2, 3, 4, 5, 6, 7, E, F, G, J or K, followed by two letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G, or U, followed by S, O, A or P, followed by C, L or D, followed by three letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G,, or U, followed by S, O, A or P, followed by C, D, L or X, followed by three or four letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches



Certificate of Compliance

Certificate Number:

UL-CA-L117437-311-
20508891-6

Report Reference:

E117437-19880502

Issue Date:

2024-11-04

Issued to:

Balluff GmbH
Schurwaldstrasse 9 Neuhausen a.d.F. 73765
Germany

This certificate confirms that representative samples of:
NRKH7 - Proximity Switches Certified for Canada

See Addendum Page for Product Designation(s).

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

CSA C22.2 No. 60947-1, 2nd Ed., Issue Date: 2013-07-01, CSA C22.2 NO. 60947-5-2-14, 1st Ed., Issue Date: 2014-03-28

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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David Piecuch
UL Mark Certification Program Owner



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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-L117437-311-20508891-6
Report reference E117437-19880502
Date 2024-11-04

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

Model	Product Description
Accessories BES or BML followed by Z, followed by a four digit number	Proximity switches
BAW, followed by five or six letters and/or numbers, followed by B, I or U, followed by A, B, C of L, followed by C, D, E, F or Z, followed by three letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches
BES, followed by 515, 516 or 517, followed by a three or four digit number beginning with 1 or 3, may be followed by additional letters and/or numbers.	Proximity switches
BES, followed by four to six letters and/or numbers, followed by two or three letters and/or numbers, followed by C, L, D, F, G, X, B, H, J, Q, R, S or Y, followed by four letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular/Rectangular Series
BES-517, followed by a three-digit number beginning with 1 or 3, followed by U or P or M, followed by one letter, followed by a one-digit number, may be followed by additional suffix letters and/or numbers.	Unisensor proximity switches
BHS, followed by four to five letters and/or numbers, followed by Y, P, N, G or U, followed by S, O, A or P, I or N, followed by C, L, D, X, F or G, followed by two letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches
BIL, followed by three or four letters and/or numbers, followed by B, P, Q, R, S, T followed by three numbers, followed by one letter, followed by two numbers may be followed by /two numbers, followed by three to six letters and/or numbers may be followed by additional letters and/or numbers.	Proximity switches
BMF, followed by a two or three digit number, followed by K, E or M, may be followed by F, H, W or B, may be followed by A, G, T, R, or H, followed by one to four digits R, M, P, N, Y, K, S, O, N, X, A or I, followed by one or two characters X, E, F, L, C, D, Y, W or T, followed by one to two digits, may be followed by additional suffix letters or numbers.	Proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G, or U, followed by S, O, A or P, followed by C, D, L or X, followed by three or four letters and/or numbers, may be followed by additional letters and/or numbers.	Rectangular proximity switches



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PROX, followed by 515, 516 or 517, followed by a three or four digit number beginning with 1, 3 or 5, may be followed by additional letters and/or numbers.	Rectangular proximity switches
PROX, followed by 515, 516 or 517 followed by a three or four digit number, beginning with 1, 3 or 5, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by 921 and up to seven letters and/or numbers, may be followed by additional letters and/or numbers.	Sensor proximity switches
PROX, followed by 922 and up to seven letters and/or numbers, followed by A, B or C, followed by 1 to 9, followed by N or P, may be followed by additional letters and/or numbers	Sensor proximity switches
PROX, followed by 924 and followed by three letters and/or numbers, followed by additional two or four letters and/or numbers, may be followed by additional letters and/or numbers.	Sensor proximity switches
PROX, followed by four or five letters and/or numbers, followed by P, N, Z, T, M, X or numbers, followed by A, B, C, V, D, E, M or numbers, followed by 0, 1, 2, 3, 4, 5, 6, 7, E, F, G, J or K, followed by 0, 1, 2, 3, 4, 5, 6, 7, E, F, G, J or K, followed by two letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G, or U, followed by S, O, A or P, followed by C, L or D, followed by three letters and/or numbers, may be followed by additional letters and/or numbers.	Tubular proximity switches
PROX, followed by four to six letters and/or numbers, followed by P, N, G,, or U, followed by S, O, A or P, followed by C, D, L or X, followed by three or four letters and/or numbers, may be followed by additional letters and/or numbers.	Proximity switches



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