

Certificate of Compliance

Certificate Number(s):

UL-US-L189727-111-
61208991-12

Report Reference:

E189727-19980216

Issue Date:

2026-04-20

Issued to:

wenglor sensoric GmbH
wenglor Strasse 3, Tett nang, 88069, DE

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 508, 18th Ed., Issue Date: 2018-03-30, Revision Date: 2021-07-08

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.



David Piecuch
UL Mark Certification Program Manager



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Proximity Switches

Model(s): L followed by BA, BB, BD, BL, BO, B9, FD, MR, MD, ML, followed by I, R, W, X, followed by additional suffixes.

Model(s): Z followed by 60, VZ, followed by F, followed by additional suffixes.

Analog evaluation units

Model(s): AW02

Color digital cameras

Model(s): BVK001 (BVK=color digital camera, 001=pro number).

Connecting cables for connection boxes

Model(s): BW2SG2V1, BW7SG7V1, BG2SG2V1, BG7SG7V1, BG7SG2V1, BG8SG8V1

Connection boxes for scanners

Model(s): AB-0003-1

Connection equipments

Model(s): S88, S29, OPT70N, S232W3, BG7V1P-N, S49, S56, AB-6700, BD25BD9V01, S88W, S35G, OPT70S, BG2V1-N, BD25SD25V02, AB-BLU01, S61, FISZ-RS232, S80W, S27, S35W, OPT70S+, AB-0003, BG8V1P-N, S23, BG88SG88V2, S80, AB-USB01, BD9BD9V01, S60

Image processing products

Model(s): B followed by K, L, M, R, S, V, followed by C, N, S, 3, 4, followed by 0, P, G, followed by A, C, H, I, L, M, or S, followed by one digit, followed by A, B, I, R, U, W, followed by two digits, followed by additional suffixes.

Model(s): B, C followed by NN, B1, B2, B3, 50, 60, 5N, 5P, 5T, 5S, 5M, 5L, SL, SH followed by C, E, H, L, K, M, P, R, S followed by three digits, maybe followed by additional suffixes.

Photoelectronic sensors

Model(s): ML101, ML102, ML103, ML104, ML121, ML123, ML124, ML131, ML132, ML133, ML134, ML225, ML226, ML235, ML236, ML245, ML246, ML255, ML256, ML275, ML276, MLWL101, MLWL102, MLWL103, MLWL104, MLWL105, MLWL121, MLWL122, MLWL123, MLWL124, MLWL125, MLWL131, MLWL132, MLWL133, MLWL134, MLWL135, MLWL141, MLWL142, MLWL143, MLWL144, MLWL145, MLWL151, MLWL152, MLWL153, MLWL154, MLWL155, MLWL171, MLWL172, MLWL173, MLWL174, MLWL175, MLWL201, MLWL202, MLWL203, MLWL204, MLWL221, MLWL222, MLWL223, MLWL224, MLWL225, MLWL231, MLWL232, MLWL233, MLWL234, MLWL235, MLWL241, MLWL242, MLWL243, MLWL244, MLWL245, MLWL251, MLWL252, MLWL253, MLWL254, MLWL255, MLWL271, MLWL272, MLWL273, MLWL274, MLWL275, OPT, followed by 70, may be followed by N or S., ZKA100, OPT, followed by 24, 87, 89, 104, 110, 114, 123, 144, 162, 164, 167 or followed by other digits., PNBC001, PNBC002, PNBC003, PNBC004, PNBC005, PNBC006, PNBC007 and PNBC008, ML122

Model(s): Models starts maybe with O followed by A A1, A2, A42, A57, C, D, E, E1, F, G, H, H1, J, K, K1, L, L1, O1, R, S, S1, T, T1, U, V, W, X, X1, Y, Y1, Y2 or Z, followed by A, B, C, D, DK, E, EB, EI, F, FL, FK, G, H, K, II, L, M, N, O, P, Q, R, S, T, U, TA, V, W, WK, or X, followed by S, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 16, 22, 24, 25,

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33, 35, 40, 44, 50, 55, 60, 66, 70, 77, 80, 83, 86, 87, 88, 89, 95, 96, 98, 99, or followed by other digits, may be followed by A, B, C, D, E, F, G, H, I, K, L, M, N, O, P, Q, R, T, U, V, W, X or Z, may be followed by A, B, C, D, E, F, G, H, I, S, T, V, X or Y, or followed by four digits, may be followed by A, B, C, D, F, H, S, T, V, or X, may be followed by additional suffixes.

Photoelectronic sensors, lamps

Model(s): FW, followed by 05, 06, 07, 08, 09, 10 or 11, followed by WH, RD, BU, GN, IR, UV or YE, etc. (color of the light), may be followed by suffixes., ZF, followed by D, F, K, L, R or S, followed by B, G, I, U, R or W, followed by two digits, followed by -, followed by two digits.

Proximity switches

Model(s): P, followed by, NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, 2K, 2P, 3E, 3P, EB, EF, EM, ED, 50, 5N, NB, followed by, A, C, D, E, F, G, H, J, K, L, M, P, R, T, S, W, X, Y, followed by, additional suffixes.

Model(s): I or K followed by A, N, G or S, may be followed by B, E, G, H, I, J, L, M, O, P, Q, R, U, W or X, followed by S, may be followed by 008, 010, 015, 020, 025, 030, 040, 045, 050, 060, 070, 080, 100, 120, 130, 150, 200, 250, 300 or 350 or followed by digits, followed by B, C, D, E, N, Q, R, S or T, followed by A, E, K, M or T, followed by any two digits, followed by A, B, K, M, N, P, Q, S, T, U, V, X or Z, followed by A, B, C, D, G or I, may be followed by additional suffixes

Model(s): I followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, NR, NT, 50, or 5N, R2, R3, R5 or R8, followed by A, D, F, G, H, N, S, T or X, followed by three digits, maybe followed by additional suffixes.

Temperature measurement sensors

Model(s): T followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, 50 or 5N, followed by 0, followed by three digits, maybe followed by additional suffixes.

Model(s): T followed by I followed by F, followed by three numbers, followed by A, B, C, D, E, F, G, H, I, M, N, P, U, V, X, followed by four numbers, maybe followed by additional suffixes.

Ultrasonic sensors

Model(s): U followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 2G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, 50 or 5N, followed by T, Y, followed by three digits, maybe followed by additional suffixes.

Model(s): U, followed by R or M followed by D, F or S, followed by three numbers, followed by A, B, C, D, E, F, G, H, I, M, N, O, P, U, V or X, followed by one digit, followed by two numbers

Vision sensors

Model(s): BS30Vxxx (BS=vision sensor, 30=dimension of description, xxx=number representing the software version number BS40Vxxx).

Wenglor computers

Model(s): BVCxxx (BVC=vision control unit, xxx=pro number).

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wenglor Strasse 3, Tett nang, 88069, DE

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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. 14 , Edition: 13, Issue Date: 2018-03

Additional Information:

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Proximity Switches

Model(s): L followed by BA, BB, BD, BL, BO, B9, FD, MR, MD, ML, followed by I, R, W, X, followed by additional suffixes.

Model(s): Z followed by 60, VZ, followed by F, followed by additional suffixes.

Analog evaluation units

Model(s): AW02

Color digital cameras

Model(s): BVK001 (BVK=color dikital camera, 001=pro number).

Connecting cables for connection boxes

Model(s): BW2SG2V1, BW7SG7V1, BG2SG2V1, BG7SG7V1, BG7SG2V1, BG8SG8V1

Connection boxes for scanners

Model(s): AB-0003-1

Connection equipments

Model(s): S88, S29, OPT70N, S232W3, BG7V1P-N, S49, S56, AB-6700, BD25BD9V01, S88W, S35G, OPT70S, BG2V1-N, BD25SD25V02, AB-BLU01, S61, FISZ-RS232, S80W, S27, S35W, OPT70S+, AB-0003, BG8V1P-N, S23, BG88SG88V2, S80, AB-USB01, BD9BD9V01, S60

Image processing products

Model(s): B followed by K, L, M, R, S, V, followed by C, N, S, 3, 4, followed by 0, P, G, followed by A, C, H, I, L, M, or S, followed by one digit, followed by A, B, I, R, U, W, followed by two digits, followed by additional suffixes.

Model(s): B, C followed by NN, B1, B2, B3, 50, 60, 5N, 5P, 5T, 5S, 5M, 5L, SL, SH followed by C, E, H, L, K, M, P, R, S followed by three digits, maybe followed by additional suffixes.

Photoelectronic sensors

Model(s): MLSL101, MLSL102, MLSL103, MLSL104, MLSL121, MLSL123, MLSL124, MLSL131, MLSL132, MLSL133, MLSL134, MLSL225, MLSL226, MLSL235, MLSL236, MLSL245, MLSL246, MLSL255, MLSL256, MLSL275, MLSL276, MLWL101, MLWL102, MLWL103, MLWL104, MLWL105, MLWL121, MLWL122, MLWL123, MLWL124, MLWL125, MLWL131, MLWL132, MLWL133, MLWL134, MLWL135, MLWL141, MLWL142, MLWL143, MLWL144, MLWL145, MLWL151, MLWL152, MLWL153, MLWL154, MLWL155, MLWL171, MLWL172, MLWL173, MLWL174, MLWL175, MLWL201, MLWL202, MLWL203, MLWL204, MLWL221, MLWL222, MLWL223, MLWL224, MLWL225, MLWL231, MLWL232, MLWL233, MLWL234, MLWL235, MLWL241, MLWL242, MLWL243, MLWL244, MLWL245, MLWL251, MLWL252, MLWL253, MLWL254, MLWL255, MLWL271, MLWL272, MLWL273, MLWL274, MLWL275, OPT, followed by 70, may be followed by N or S., ZKA100, OPT, followed by 24, 87, 89, 104, 110, 114, 123, 144, 162, 164, 167 or followed by other digits., PNBC001, PNBC002, PNBC003, PNBC004, PNBC005, PNBC006, PNBC007 and PNBC008, MLSL122

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Model(s): Models starts maybe with O followed by A A1, A2, A42, A57, C, D, E, E1, F, G, H, H1, J, K, K1, L, L1, O1, R, S, S1, T, T1, U, V, W, X, X1, Y, Y1, Y2 or Z, followed by A, B, C, D, DK, E, EB, EI, F, FL, FK, G, H, K, II, L, M, N, O, P, Q, R, S, T, U, TA, V, W, WK, or X, followed by S, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 16, 22, 24, 25, 33, 35, 40, 44, 50, 55, 60, 66, 70, 77, 80, 83, 86, 87, 88, 89, 95, 96, 98, 99, or followed by other digits, may be followed by A, B, C, D, E, F, G, H, I, K, L, M, N, O, P, Q, R, T, U, V, W, X or Z, may be followed by A, B, C, D, E, F, G, H, I, S, T, V, X or Y, or followed by four digits, may be followed by A, B, C, D, F, H, S, T, V, or X, may be followed by additional suffixes.

Photoelectronic sensors, lamps

Model(s): FW, followed by 05, 06, 07, 08, 09, 10 or 11, followed by WH, RD, BU, GN, IR, UV or YE, etc. (color of the light), may be followed by suffixes., ZF, followed by D, F, K, L, R or S, followed by B, G, I, U, R or W, followed by two digits, followed by -, followed by two digits.

Proximity switches

Model(s): P, followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, 2K, 2P, 3E, 3P, EB, EF, EM, ED, 50, 5N, NB, followed by, A, C, D, E, F, G, H, J, K, L, M, P, R, T, S, W, X, Y, followed by, additional suffixes.

Model(s): I or K followed by A, N, G or S, may be followed by B, E, G, H, I, J, L, M, O, P, Q, R, U, W or X, followed by S, may be followed by 008, 010, 015, 020, 025, 030, 040, 045, 050, 060, 070, 080, 100, 120, 130, 150, 200, 250, 300 or 350 or followed by digits, followed by B, C, D, E, N, Q, R, S or T, followed by A, E, K, M or T, followed by any two digits, followed by A, B, K, M, N, P, Q, S, T, U, V, X or Z, followed by A, B, C, D, G or I, may be followed by additional suffixes

Model(s): I followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, NR, NT, 50, or 5N, R2, R3, R5 or R8, followed by A, D, F, G, H, N, S, T or X, followed by three digits, maybe followed by additional suffixes.

Temperature measurement sensors

Model(s): T followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, 50 or 5N, followed by 0, followed by three digits, maybe followed by additional suffixes.

Model(s): T followed by I followed by F, followed by three numbers, followed by A, B, C, D, E, F, G, H, I, M, N, P, U, V, X, followed by four numbers, maybe followed by additional suffixes.

Ultrasonic sensors

Model(s): U followed by NN, FB, HS, PT, 12, 08, 18, 30, 1A, 1B, 1C, 1D, 1E, 1H, 1G, 2G, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1X, EB, EF, EM, ED, 50 or 5N, followed by T, Y, followed by three digits, maybe followed by additional suffixes.

Model(s): U, followed by R or M followed by D, F or S, followed by three numbers, followed by A, B, C, D, E, F, G, H, I, M, N, O, P, U, V or X, followed by one digit, followed by two numbers

Vision sensors

Model(s): BS30Vxxx (BS=vision sensor, 30=dimension of description, xxx=number representing the software version number BS40Vxxx).

Wenglor computers

Model(s): BVCxxx (BVC=vision control unit, xxx=pro number).