

CERTIFICATE OF COMPLIANCE

Certificate Number 20190627-E189727
Report Reference E189727-19980216
Issue Date 2019-JULY-27

Issued to: wenglor sensoric GmbH
wenglor Strasse 3
88069 Tett nang GERMANY

**This certificate confirms that
representative samples of**

PROXIMITY SWITCHES
Models/Product

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

Standard(s) for Safety: CSA 22.2 No. 14-13 & UL 508, Industrial Control Equipment
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
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190627-E189727
Report Reference E189727-19980216
Issue Date 2019-JULY-27

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

USL, CNL - Class 2 Proximity switches:

Models I or K; followed by A, N, G, S; and/or followed by B, E, G, H, I, J, L, M, O, P, Q, R, U, W or X; followed by S and/or 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.

Alternative Designation (see Alternative Nomenclature I):

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, followed by A, G, H, N, S or T, followed by three digits.

Photoelectronic Sensors, 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.

Alternative Designation: (see Alternative Nomenclature II):

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, EB, EF, EM, ED, 50, 5N; followed by, A, C, D, E, F, G, H, J, K, L, M, P, R, T, S, W, Y; followed by, additional suffixes.

PNBC001, PNBC002, PNBC003, PNBC004, PNBC005, PNBC006, PNBC007 and PNBC008.

Model ZKA100.

Models OPT followed by 70, may be followed by N or S. Model OPT followed by 87, 89, 104, 110, 114, 123, 144, 162, 164, 167 or followed by other digits.

Models Lamps

ZF followed by D, F, K, L, R, S; followed by B, G, I, U, R, W; followed by two digits; followed by -; followed by two digits.

FW followed by 05, 06, 07, 08, 09, 10, 11; followed by WH, RD, BU, GN, IR, UV, YE, etc. (color of the light); may be followed by additional suffixes.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190627-E189727
Report Reference E189727-19980216
Issue Date 2019-JULY-27

Temperature measurement sensors

Models 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.

Alternative Designation:

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, 5N followed by 0 followed by three digits.

Ultrasonic Sensors

Models U followed by R, M; followed by D, F, S; followed by three numbers; followed by A, B, C, D, E, F, G, H, I, M, N, O, P, U, V, X, followed by one digit; followed by two numbers.

Alternative Designation:

U 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, 5N followed by T, Y followed by three digits.

Models Vision sensor

BS30Vxxx BS= vision sensor, 30= dimension of description,
xxx= three digits number representing the
software version number
BS40Vxxx

Models wenglor computer

BVCxxx BVC=Vision control Unit, xxx=pro number.

Models color digital camera

BVK001 BVK= color digital camera, 001=pro number

Image Processing products

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.

Alternative Designation:

B, C followed by NN, B1, B2, B3, 50, 5N, 5P, 5T, 5S, 5M, 5L, SL, SH followed by C, H, L, K, M, R, S followed by three digits



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190627-E189727
Report Reference E189727-19980216
Issue Date 2019-JULY-27

2D/3D Sensors (see Nomenclature XXI):

Models MLSL101, MLSL102, MLSL103, MLSL104, MLSL121, MLSL122, 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 and MLWL275.

Connection Box for Scanners, Model AB-0003-1

Analog Evaluation Unit, Model AW02

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

Connecting cables for connection boxes, Models BG7SG7V1, BW7SG7V1, BG8SG8V1, BG7SG2V1, BG2SG2V1, BW2SG2V1.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

