

CERTIFICATE OF COMPLIANCE

Certificate Number 20160209-E227256
Report Reference E227256-A2-UL
Issue Date 2016-FEBRUARY-09

Issued to: BALLUFF GMBH
SCHURWALDSTR 9
73765 NEUHAUSEN GERMANY

This is to certify that representative samples of PROCESS CONTROL EQUIPMENT, ELECTRICAL Transducer , BIW series
See next page for Nomenclature Breakdown

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

Standard(s) for Safety: UL 61010-1 and CAN/CSA C22.2, NO. 61010-1 Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use - Part 1: General Requirements

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.

NOMENCLATURE BREAKDOWN:

BIW 1 - A -3 - 10 - M0305 - P1- SA123 - S115
I II - III-IV- V - VI - VII - VIII - IX

I Product Type Field: Balluff Linear Transduce
II Generation Field: Generation 1 .. 9
III Output Type Field, one letter:

Type	Description
A	0 to 10 V Analog Outputs
C	0 to 20 mA
E	4 to 20 mA
G	-10 to +10 V
V	Ethernet output Ethernet output
U	I/O-Link/O-link Output

IV Supply Voltage Field, one digit:

3 = 24 VDC \pm 6V with functional isolation between power supply and output

V Output Characteristics Field.

10 = rising output

VI Nominal Stroke Length field:

The first letter, M, indicates a metric unit of measure. The next four digits indicate the active stroke length in millimeters.

M 0 3 0 5 = 305 mm (12 inch) active stroke

VII Housing Style Field, one letter, possibly followed by one digit:

P1 = Profile style

VIII Special Field. Leave blank if not a special configuration

If special configuration:

SAxxx = Special configuration, where 'xxx' is a 3-digit number



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IX Connection Type Field, three to five letters or digits:

Type	Description
S115	Eight-pin M12 connector
ZAxx	Connector output



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