

# Certificate of Conformity

## Ex EQUIPMENT

|                  |                       |                |   |                |            |
|------------------|-----------------------|----------------|---|----------------|------------|
| Certificate No.: | <b>ANZEx 20.3004X</b> | Current Issue: | 0 | Date of Issue: | 2020-07-07 |
|------------------|-----------------------|----------------|---|----------------|------------|

**Applicant:** **Beckhoff Automation GmbH & Co.KG**  
Hülshorstweg 20  
33415 Verl  
Germany

**Equipment:** I/O Terminal Series type ELX\*\*\*\*\_\*\*\*\*\_\*\*\*\*

**Type of Explosion Protection:** Intrinsic Safety "i", Increased Safety "e"

**Explosion Protection Marking:** Ex ec IIC T4 Gc for power supply terminals  
type ELX9560-\*\*\*\*\_\*\*\*\*  
and type ELX9410-\*\*\*\*\_\*\*\*\*  
  
Ex ec [ia Ga] IIC T4 Gc for all other terminals  
[Ex ia Da] IIIC  
[Ex ia Ma] I

*This certificate is granted subject to the conditions as set out in  
Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1***

Signed for and on behalf of issuing body



Name & Position

Ujen Singh – Quality and Certification Manager

*This certificate is not transferable and remains the property of the issuing body.*

*The status of this certificate can be confirmed through the database located at [www.anzex.com.au](http://www.anzex.com.au)*

Certificate issued by:

TestSafe Australia  
919 Londonderry Road, Londonderry NSW 2753 Australia

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**Manufacturer:** Beckhoff Automation GmbH & Co.KG  
Hülshorstweg 20  
33415 Verl  
Germany

**Additional  
Manufacturing  
Location(s):** None.

### STANDARDS:

*The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:*

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>IEC 60079-0:2017</b>  | Explosive atmospheres Part 0: Equipment – General requirements                |
| <b>IEC 60079-11:2011</b> | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" |
| <b>IEC 60079-7:2017</b>  | Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  |

*This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.*

### TEST & ASSESSMENT REPORTS:

*The equipment listed has successfully met the examination and test requirements as recorded in:*

Test Report Nos. & Issuing Bodies associated with all issues of the certificate: DE/BVS/ExTR18.0031/04, DEKRA

Quality Assessment Report No. & Issuing Body: DE/BVS/QAR16.0010/03, DEKRA

File Reference: 2019/016311

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### Schedule

#### Equipment Description:

The I/O system terminals type ELX\*\*\*\*\_\*\*\*\*\_\*\*\*\* is a modular I/O system with contacts rated in the type of protection "ec" (supply contact / E-bus connector / spring-blade contact).

It consists of at least a power supply unit ELX9560, one of the signal terminals and a bus end cover ELX9012 to cover the power and E-bus contacts.

An integrated E-bus interface connects to ELX signal terminals right of the ELX9560 power supply unit. These signal terminals can be combined in any way. Their intrinsically safe output circuits, type of protection Ex ia, can be led into areas which require EPL Ga, EPL Da or EPL Ma equipment.

The ELX9410 power supply terminal for E-bus is used to refresh the non-intrinsically safe E bus signal.

A fin at the front of the ELX9410 ensures the separation between the connection facilities of the signal terminal (intrinsically safe circuits)

and the ELX9410 (non-intrinsically safe circuits).

There are 2 possible constellations to use the ELX9410:

- An additional ELX9560 power supply terminal followed by further ELX signal terminals can be connected to the right side of the ELX9410.
- Two ELX9410 terminals can be installed in direct succession for continuing the same terminal strand with standard Beckhoff EtherCAT Terminals.

#### Electrical Ratings/Parameters

1. Non-intrinsically safe circuits in level of protection ec.

1.1 Power supply terminal type **ELX9560-\*\*\*\*\_\*\*\*\***

1.1.1 Power supply circuit

Rated nominal input voltage (-15 %, +20 %)

DC 24 V

Maximum voltage  $U_m$

AC 253 V

1.1.2 E-bus circuit

E-bus connector

Rated nominal voltage

DC 5 V

Rated current

40 mA

Maximum voltage  $U_m$

AC 253 V

1.2 Power supply terminal for E-bus type **ELX9410-\*\*\*\*\_\*\*\*\***

1.2.1 Supply circuit

Clamp contacts 5 (Input 24V), 6 (Input 0V)

Rated nominal input voltage (-15 %, +20 %)

DC 24 V

Maximum voltage  $U_m$

AC 253 V

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## 1.2.2 E-bus circuit

E-bus connector

Rated nominal voltage

DC 5 V

Rated current

40 mA

Maximum voltage  $U_m$ 

AC 253 V

## 2 Intrinsically safe output circuits in level of protection "ia" for connection of intrinsically safe sensors or actuators

2.1 Signal terminal type **ELX1052-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 4 (Uv1), 1 (Input 1, I1)

Channel 2: Clamp contacts 8 (Uv2), 5 (Input 2, I2)

Each channel

Maximum output voltage  $U_o$ 

10.75 V

Maximum output current  $I_o$ 

12 mA

Linear output characteristics

Maximum output power  $P_o$ 

33 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I   | IIA | IIB/IIIC | IIC  |
|------------------|-----|-----|----------|------|
| $C_o$ [ $\mu$ F] | 58  | 66  | 15       | 2.14 |
| $L_o$ [mH]       | 100 | 100 | 100      | 100  |

2.2 Signal terminal type **ELX1054-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 2 (Uv1), 1 (Input 1, I1)

Channel 2: Clamp contacts 6 (Uv2), 5 (Input 2, I2)

Channel 3: Clamp contacts 3 (Uv3), 4 (Input 3, I3)

Channel 4: Clamp contacts 7 (Uv4), 8 (Input 4, I4)

Each channel

Maximum output voltage  $U_o$ 

10.72 V

Maximum output current  $I_o$ 

10.4 mA

Linear output characteristics Maximum output power  $P_o$ 

28 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I   | IIA | IIB/IIIC | IIC  |
|------------------|-----|-----|----------|------|
| $C_o$ [ $\mu$ F] | 58  | 66  | 15       | 2.14 |
| $L_o$ [mH]       | 100 | 100 | 100      | 100  |

2.3 Signal terminal type **ELX1058-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 9 (Uv1), 1 (Input 1)

Channel 2: Clamp contacts 10 (Uv2), 2 (Input 2)

Channel 3: Clamp contacts 11 (Uv3), 3 (Input 3)

Channel 4: Clamp contacts 12 (Uv4), 4 (Input 4)

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Channel 5: Clamp contacts 13 (Uv5), 5 (Input 5)  
 Channel 6: Clamp contacts 14 (Uv6), 6 (Input 6)  
 Channel 7: Clamp contacts 15 (Uv7), 7 (Input 7)  
 Channel 8: Clamp contacts 16 (Uv8), 8 (Input 8)

Each channel

Maximum output voltage  $U_o$  10.72 V  
 Maximum output current  $I_o$  10.4 mA

Linear output characteristics  
 Maximum output power  $P_o$  28 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I   | IIA | IIB/IIIC | IIC  |
|------------------|-----|-----|----------|------|
| $C_o$ [ $\mu$ F] | 58  | 66  | 15       | 2.14 |
| $L_o$ [mH]       | 100 | 100 | 100      | 100  |

2.4 Signal terminal type **ELX2002-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+Output1, +O1), 3 (-Output1, -O1)  
 Channel 2: Clamp contacts 5 (+Output2, +O2), 7 (-Output2, -O2)

Each channel

Maximum output voltage  $U_o$  27.7 V  
 Maximum output current  $I_o$  111 mA

Linear output characteristics  
 Maximum output power  $P_o$  768 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA | IIB/IIIC | IIC   |
|------------------|------|-----|----------|-------|
| $C_o$ [ $\mu$ F] | 3.45 | 2.2 | 0.663    | 0.085 |
| $L_o$ [mH]       | 24   | 16  | 9.2      | 0.094 |

2.5 Signal terminal type **ELX2008-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+Output1, +O1), 2 (-Output1, -O1)  
 Channel 2: Clamp contacts 5 (+Output2, +O2), 6 (-Output2, -O2)  
 Channel 3: Clamp contacts 4 (+Output3, +O3), 3 (-Output3, -O3)  
 Channel 4: Clamp contacts 8 (+Output4, +O4), 7 (-Output4, -O4)  
 Channel 5: Clamp contacts 9 (+Output5, +O5), 10 (-Output5, -O5)  
 Channel 6: Clamp contacts 13 (+Output6, +O6), 14 (-Output6, -O6)  
 Channel 7: Clamp contacts 12 (+Output7, +O7), 11 (-Output7, -O7)  
 Channel 8: Clamp contacts 16 (+Output8, +O8), 15 (-Output8, -O8)

Each channel

Maximum output voltage  $U_o$  27.7 V  
 Maximum output current  $I_o$  111 mA

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Linear output characteristics

Maximum output power  $P_o$ 

773 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA | IIB/IIIC | IIC   |
|------------------|------|-----|----------|-------|
| $C_o$ [ $\mu$ F] | 3.45 | 2.2 | 0.663    | 0.085 |
| $L_o$ [mH]       | 24   | 16  | 9.2      | 0.094 |

2.6 Signal terminal type **ELX3152-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (Uv1), 2 (GND, -I1), 3 (Input1, +I1)

Channel 2: Clamp contacts 5 (Uv2), 6 (GND, -I2), 7 (Input2, +I2)

Each channel

Maximum output voltage  $U_o$ 

27.7 V

Maximum output current  $I_o$ 

85 mA

Linear output characteristics

Maximum output power  $P_o$ 

565 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA | IIB/IIIC | IIC   |
|------------------|------|-----|----------|-------|
| $C_o$ [ $\mu$ F] | 3.45 | 2.2 | 0.663    | 0.085 |
| $L_o$ [mH]       | 43   | 30  | 18       | 2     |

2.7 Signal terminal type **ELX3181-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 8 (Uv1), 7 (Input1, I1)

Each channel

Maximum output voltage  $U_o$ 

27.7 V

Maximum output current  $I_o$ 

85 mA

Linear output characteristics

Maximum output power  $P_o$ 

565 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA | IIB/IIIC | IIC   |
|------------------|------|-----|----------|-------|
| $C_o$ [ $\mu$ F] | 3.45 | 2.2 | 0.663    | 0.085 |
| $L_o$ [mH]       | 43   | 30  | 18       | 2     |

2.8 Signal terminal type **ELX3202-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+RL1), 2 (+R1), 5 (-RL1), 6 (-R1)

Channel 2: Clamp contacts 3 (+RL2), 4 (+R2), 7 (-RL2), 8 (-R2)

Each channel

Maximum output voltage  $U_o$ 

4.94 V

Maximum output current  $I_o$ 

12 mA

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Linear output characteristics  
Maximum output power  $P_o$

15 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA  | IIB/IIIC | IIC |
|------------------|------|------|----------|-----|
| $C_o$ [ $\mu$ F] | 1000 | 1000 | 1000     | 100 |
| $L_o$ [mH]       | 100  | 100  | 100      | 100 |

2.9 Signal terminal type **ELX3204-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+R1), 5 (-R1)

Channel 2: Clamp contacts 2 (+R2), 6 (-R2)

Channel 3: Clamp contacts 3 (+R3), 7 (-R3)

Channel 4: Clamp contacts 4 (+R4), 8 (-R4)

Each channel

Maximum output voltage  $U_o$ 

4.94 V

Maximum output current  $I_o$ 

12 mA

Linear output characteristics

Maximum output power  $P_o$ 

15 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA  | IIB/IIIC | IIC |
|------------------|------|------|----------|-----|
| $C_o$ [ $\mu$ F] | 1000 | 1000 | 1000     | 100 |
| $L_o$ [mH]       | 100  | 100  | 100      | 100 |

2.10 Signal terminal type **ELX3312-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+TC1), 5 (-TC1)

Channel 2: Clamp contacts 2 (+TC2), 6 (-TC2)

Each channel

Maximum output voltage  $U_o$ 

4.94 V

Maximum output current  $I_o$ 

0.5 mA

Linear output characteristics

Maximum output power  $P_o$ 

0.5 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA  | IIB/IIIC | IIC |
|------------------|------|------|----------|-----|
| $C_o$ [ $\mu$ F] | 1000 | 1000 | 1000     | 100 |
| $L_o$ [mH]       | 100  | 100  | 100      | 100 |

2.11 Signal terminal type **ELX3314-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 1 (+TC1), 5 (-TC1)

Channel 2: Clamp contacts 2 (+TC2), 6 (-TC2)

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Channel 3: Clamp contacts 3 (+TC3), 7 (-TC3)

Channel 4: Clamp contacts 4 (+TC4), 8 (-TC4)

Each channel

Maximum output voltage  $U_o$ 

4.94 V

Maximum output current  $I_o$ 

0.5 mA

Linear output characteristics

Maximum output power  $P_o$ 

0.5 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA  | IIB/IIIC | IIC |
|------------------|------|------|----------|-----|
| $C_o$ [ $\mu$ F] | 1000 | 1000 | 1000     | 100 |
| $L_o$ [mH]       | 100  | 100  | 100      | 100 |

2.12 Signal terminal type **ELX3351-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 2 (+UD), 6 (-UD), 3 (+UR), 7 (-UR), 4 (+UV), 8 (-UV)

Maximum output voltage  $U_o$ 

11.76 V

Maximum output current  $I_o$ 

146 mA

Linear output characteristics

Maximum output power  $P_o$ 

214 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I  | IIA  | IIB/IIIC | IIC |
|------------------|----|------|----------|-----|
| $C_o$ [ $\mu$ F] | 40 | 39   | 9.9      | 1.5 |
| $L_o$ [mH]       | 20 | 13.3 | 6.6      | 1.7 |

2.13 Signal terminal type **ELX4181-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 8 (Output 1, O1), 6 (GND)

Maximum output voltage  $U_o$ 

27.7 V

Maximum output current  $I_o$ 

85 mA

Linear output characteristics

Maximum output power  $P_o$ 

565 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I    | IIA | IIB/IIIC | IIC   |
|------------------|------|-----|----------|-------|
| $C_o$ [ $\mu$ F] | 3.45 | 2.2 | 0.663    | 0.085 |
| $L_o$ [mH]       | 43   | 30  | 18       | 2     |

2.14 Signal terminal type **ELX5151-\*\*\*\*-\*\*\*\***

Channel 1: Clamp contacts 4 (Uv1), 1 (A)

Channel 2: Clamp contacts 8 (Uv2), 5 (B)



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Each channel

Maximum output voltage  $U_o$ 

10.72 V

Maximum output current  $I_o$ 

12.4 mA

Linear output characteristics

Maximum output power  $P_o$ 

33 mW

Maximum external capacitance  $C_o$  or maximum external inductance  $L_o$ :

|                  | I   | IIA | IIB/IIIC | IIC  |
|------------------|-----|-----|----------|------|
| $C_o$ [ $\mu$ F] | 58  | 66  | 15       | 2.14 |
| $L_o$ [mH]       | 100 | 100 | 100      | 100  |

3 Ambient temperature range  $-25\text{ }^{\circ}\text{C} \leq T_a \leq 60\text{ }^{\circ}\text{C}$ **Specific Conditions of Use:**

1. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
2. The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
3. Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.
4. The circuits shall be limited to overvoltage Category II as defined in IEC 60664-1.
5. The Terminal system is suitable for use in a temperature range of  $-25\text{ }^{\circ}\text{C}$  to  $+60\text{ }^{\circ}\text{C}$ .
6. Do not disconnect energized terminals.
7. The last terminal of each segment is to be covered by a bus end cover ELX9012, unless two ELX9410 terminals are installed in direct succession for continuing the same terminal segment with standard Beckhoff EtherCAT terminals (e.g. EL/ES/EK).
8. An additional ELX9560 power supply terminal, followed by further ELX signal terminals can be connected to the right side of the ELX9410.

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**Additional Information:**

I/O Terminal Series type ELX\*\*\*\*-\*\*\*\*-\*\*\*\*

Instead of the \*\*\* in the complete denomination letters and numerals will be inserted which characterize the different modifications:

Type ELX \*\*\*\* - \*\*\*\* - \*\*\*\*

9560 Power supply terminal  
 9410 Power supply terminal for E-bus  
 1052 2-channel digital input terminal NAMUR  
 1054 4-channel digital input terminal NAMUR  
 1058 8-channel digital input terminal NAMUR  
 2002 2-channel digital output terminal  
 2008 8-channel digital output terminal  
 3152 2-channel analog input terminal 0/4...20 mA  
 3181 1-channel analog input terminal 4...20 mA, HART  
 3202 2-channel analog input terminal RTD  
 3204 4-channel analog input terminal RTD  
 3312 2-channel analog input terminal thermocouple  
 3314 4-channel analog input terminal thermocouple  
 3351 1-channel analog input terminal strain gauge  
 4181 1-channel analog output terminal 0/4...20 mA, HART  
 5151 1-channel incremental encoder interface NAMUR

Software variant  
 (Not Ex-relevant, for information purposes only)

EtherCAT revision  
 (Not Ex-relevant, for information purposes only)

**Manufacturer's Documents associated with this Issue:**

| Document Number                             | Pages / Sheets | Document Title                                                                                                                                       | Revision | Date       |
|---------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| <b>Overall</b>                              |                |                                                                                                                                                      |          |            |
| BA_ELXxxxx_SystemDesc                       | 40             | Overall descriptions and technical specifications                                                                                                    | 0.0.3    | 2018-07-20 |
| BA_ELXxxxx_TecDrawing_SeparationDistances-1 | 1              | Determination of minimum clearance and creepage distances: External connections of a single ELX9560 and to other ELX signal terminals                | 1.0      | 2018-03-01 |
| BA_ELXxxxx_TecDrawing_SeparationDistances-2 | 2              | Determination of minimum clearance and creepage distances: External connections of a single ELX9410 and a single following ELX9560                   | 1.0      | 2018-02-22 |
| BA_ELXxxxx_TecDrawing_SeparationDistances-3 | 1              | Determination of minimum clearance and creepage distances: External connections of a single ELX signal terminal                                      | 1.0      | 2018-02-22 |
| BA_ELXxxxx_TecDrawing_SeparationDistances-4 | 2              | Determination of minimum clearance and creepage distances: External connections of a two consecutive ELX9410 and a single following non ELX terminal | 1.0      | 2018-08-01 |

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| Document Number                             | Pages / Sheets | Document Title                                                                                                                    | Revision | Date       |
|---------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| BA_ELXxxxx_TecDrawing_SeparationDistances-5 | 1              | Determination of minimum clearance and creepage distances: External connections of a single 24 mm of a single ELX signal terminal | 1.0      | 2019-01-16 |
| BA_ELXxxxx_TecDrawing_SeparationDistances-8 | 5              | Determination of minimum clearance and creepage distances for ELX-12-16pin (HD) enclosures                                        | 1.0      | 2020-02-20 |
| BA_ELXxxxx_enclosure_overview               | 3              | Overview of the different ELX enclosures                                                                                          | 1.0      | 2020-02-25 |
| BA_ELXxxxx_DS_Con-Series750_Front_HD        | 1              | Serie 750                                                                                                                         | 1.0      | 2019-12-04 |
| <b>ELX9560-****-****</b>                    |                |                                                                                                                                   |          |            |
| BA-ELX9560_Manual                           | 31             | Operating manual                                                                                                                  | 1.6      | 2018-10-04 |
| BA_ELX0000_Schematic                        | 4              | ELX0000 Schematics                                                                                                                | 1.0      | 2017-11-16 |
| BA_ELX0000_BOM                              | 1              | ELX0000 BOM                                                                                                                       | 1.0      | 2018-07-20 |
| BA_ELX0000_Assembly                         | 4              | ELX0000 Assembly                                                                                                                  | 1.0      | 2017-11    |
| BA_ELX0000_Layout                           | 2              | ELX0000 Layout                                                                                                                    | 1.0      | 2017-11    |
| BA_ELX9560O_Schematic                       | 4              | ELX9560O Schematics                                                                                                               | 1.0      | 2017-11-17 |
| BA_ELX9560O_BOM                             | 1              | ELX9560O BOM                                                                                                                      | 1.0      | 2018-07-20 |
| BA_ELX9560O_Layout                          | 4              | ELX9560O Layout                                                                                                                   | 1.0      | 2018-05-20 |
| BA_ELX9560O_Assembly                        | 4              | ELX9560O Assembly                                                                                                                 | 1.0      | 2018-05-20 |
| BA_ELX9560R2_Schematic                      | 5              | ELX9560R2 Schematics                                                                                                              | 3.0      | 2019-02-12 |
| BA_ELX9560R2_BOM                            | 2              | ELX9560R2 BOM                                                                                                                     | 3.0      | 2019-02-12 |
| BA_ELX9560R2_Assembly                       | 4              | ELX9560R2 Assembly                                                                                                                | 3.0      | 2019-02-12 |
| BA_ELX9560R2_Layout                         | 4              | ELX9560R2 Layout                                                                                                                  | 3.0      | 2019-02-12 |
| BA_ELX9560L_Schematic                       | 4              | ELX9560L Schematics                                                                                                               | 1.0      | 2018-07-20 |
| BA_ELX9560L_BOM                             | 1              | ELX9560L BOM                                                                                                                      | 1.0      | 2018-07-20 |
| BA_ELX9560L_Assembly                        | 4              | ELX9560L Assembly                                                                                                                 | 1.0      | 2018-07-20 |
| BA_ELX9560L_Layout                          | 4              | ELX9560L Layout                                                                                                                   | 1.0      | 2018-07-20 |
| <b>ELX9410-***-***</b>                      |                |                                                                                                                                   |          |            |
| BA-ELX9560_Manual                           | 31             | Operating manual                                                                                                                  | 1.6      | 2018-10-04 |
| BA_ELX9410_Schematic                        | 6              | Schematic                                                                                                                         | 2.0      | 2018-10-16 |
| BA_ELX9410_BOM                              | 2              | BOM                                                                                                                               | 2.0      | 2018-10-16 |
| BA_ELX9410_Layout                           | 4              | Layout                                                                                                                            | 2.0      | 2018-10-16 |
| BA_ELX9410_Assembly                         | 4              | Assembly                                                                                                                          | 2.0      | 2018-10-16 |

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| ELX1052-****-****     |    |                  |       |            |
|-----------------------|----|------------------|-------|------------|
| BA_ELX105x_Manual     | 36 | Operating manual | 2.0.0 | 2020-03-09 |
| BA_ELX1052_Schematic  | 6  | Schematics       | 1.0   | 2018-07-20 |
| BA_ELX1052_BOM        | 3  | BOM              | 1.0   | 2018-07-20 |
| BA_ELX1052_Assembly   | 4  | Assembly         | 1.0   | 2018-07-20 |
| BA_ELX1052_Layout     | 4  | Layout           | 1.0   | 2018-07-20 |
| ELX1054-****-****     |    |                  |       |            |
| BA_ELX105x_Manual     | 36 | Operating manual | 2.0.0 | 2020-03-09 |
| BA_ELX1054_Schematic  | 8  | Schematic        | 1.0   | 2018-10-11 |
| BA_ELX1054_BOM        | 4  | BOM              | 1.0   | 2018-10-11 |
| BA_ELX1054_Layout     | 4  | Layout           | 1.0   | 2018-10-11 |
| BA_ELX1054_Assembly   | 4  | Assembly         | 1.0   | 2018-10-11 |
| *ELX1058-****-****    |    |                  |       |            |
| BA_ELX105x_Manual     | 36 | Operating manual | 2.0.0 | 2020-03-09 |
| BA_ELX1058_Schematic  | 8  | Schematic        | 1.0   | 2020-03-09 |
| BA_ELX1058_BOM        | 6  | BOM              | 1.0   | 2020-03-09 |
| BA_ELX1058_Layout     | 4  | Layout           | 1.0   | 2020-03-09 |
| BA_ELX1058_Assembly   | 4  | Assembly         | 1.0   | 2020-03-09 |
| ELX2002-****-****     |    |                  |       |            |
| BA_ELX200x_Manual     | 32 | Operating manual | 2.0.0 | 2020-03-02 |
| BA_ELX2002_Schematic  | 5  | Schematics       | 1.0   | 2018-07-20 |
| BA_ELX2002_BOM        | 2  | BOM              | 1.0   | 2018-07-20 |
| BA_ELX2002_Assembly   | 4  | Assembly         | 1.0   | 2018-07-20 |
| BA_ELX2002_Layout     | 4  | Layout           | 1.0   | 2018-07-20 |
| ELX2008-****-****     |    |                  |       |            |
| BA_ELX200x_Manual     | 32 | Operating manual | 2.0.0 | 2020-03-02 |
| BA_ELX2008L_Schematic | 6  | Schematics       | 1.0   | 2020-03-09 |
| BA_ELX2008R_Schematic | 6  | Schematics       | 1.0   | 2020-03-09 |
| BA_ELX2008L_BOM       | 4  | BOM              | 1.0   | 2020-03-09 |
| BA_ELX2008R_BOM       | 3  | BOM              | 1.0   | 2020-03-09 |
| BA_ELX2008L_Assembly  | 4  | Assembly         | 1.0   | 2020-03-09 |
| BA_ELX2008R_Assembly  | 4  | Assembly         | 1.0   | 2020-03-09 |
| BA_ELX2008L_Layout    | 4  | Layout           | 1.0   | 2020-03-09 |
| BA_ELX2008R_Layout    | 4  | Layout           | 1.0   | 2020-03-09 |

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| ELX3152-****-****    |    |                   |       |            |
|----------------------|----|-------------------|-------|------------|
| BA_ELX3152_Manual    | 28 | Operating manual, | 1.5.0 | 2018-07-19 |
| BA_ELX3152_Schematic | 7  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3152_BOM       | 3  | BOM               | 1.0   | 2018-07-20 |
| BA_ELX3152_Assembly  | 4  | Assembly          | 1.0   | 2018-07-20 |
| BA_ELX3152_Layout    | 4  | Layout            | 1.0   | 2018-07-20 |
| ELX3181-****-****    |    |                   |       |            |
| BA_ELX3181_Manual    | 28 | Operating manual, | 1.3.0 | 2018-07-20 |
| BA_ELX3181_Schematic | 8  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3181_BOM       | 4  | BOM               | 1.0   | 2018-07-20 |
| BA_ELX3181_Layout    | 4  | Layout            | 1.0   | 2018-07-20 |
| BA_ELX3181_Assembly  | 4  | Assembly          | 1.0   | 2018-07-20 |
| ELX3202-****-****    |    |                   |       |            |
| BA_ELX3202_Manual    | 31 | Operating manual, | 1.2.0 | 2018-07-20 |
| BA_ELX3202_Schematic | 8  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3202_BOM       | 4  | BOM               | 1.0   | 2018-07-20 |
| BA_ELX3202_Assembly  | 4  | Assembly          | 1.0   | 2018-07-20 |
| BA_ELX3202_Layout    | 4  | Layout            | 1.0   | 2018-07-20 |
| ELX3204-****-****    |    |                   |       |            |
| BA_ELX3204_Manual    | 31 | Operating manual, | 1.2.0 | 2018-07-20 |
| BA_ELX3204_Schematic | 9  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3204_BOM       | 5  | BOM               | 1.0   | 2018-07-20 |
| BA_ELX3204_Assembly  | 4  | Assembly          | 1.0   | 2018-07-20 |
| BA_ELX3204_Layout    | 4  | Layout            | 1.0   | 2018-07-20 |
| ELX3312-****-****    |    |                   |       |            |
| BA_ELX3312_Manual    | 31 | Operating manual, | 1.2.0 | 2018-07-19 |
| BA_ELX3312_Schematic | 8  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3312_BOM       | 4  | BOM               | 1.0   | 2018-07-20 |
| BA_ELX3312_Assembly  | 4  | Assembly          | 1.0   | 2018-07-20 |
| BA_ELX3312_Layout    | 4  | Layout            | 1.0   | 2018-07-20 |
| ELX3314-****-****    |    |                   |       |            |
| BA_ELX3314_Manual    | 31 | Operating manual, | 1.2.0 | 2018-07-19 |
| BA_ELX3314_Schematic | 8  | Schematics        | 1.0   | 2018-07-20 |
| BA_ELX3314_BOM       | 4  | BOM               | 1.0   | 2018-07-20 |

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| BA_ELX3314_Assembly      | 4  | Assembly         | 1.0   | 2018-07-20 |
| BA_ELX3314_Layout        | 4  | Layout           | 1.0   | 2018-07-20 |
| <b>ELX3351-****-****</b> |    |                  |       |            |
| BA_ELX3351_Manual        | 28 | Operating manual | 1.2.0 | 2018-07-19 |
| BA_ELX3351_Schematic     | 8  | Schematic        | 1.1   | 2018-02-25 |
| BA_ELX3351_BOM           | 5  | BOM              | 1.1   | 2018-07-20 |
| BA_ELX3351_Assembly      | 4  | Assembly         | 1.1   | 2018-10-16 |
| BA_ELX3351_Layout        | 4  | Layout           | 1.0   | 2018-07-20 |
| <b>ELX4181-****-****</b> |    |                  |       |            |
| BA_ELX4181_Manual        | 28 | Operating manual | 1.2.0 | 2018-07-26 |
| BA_ELX4181_Schematic     | 8  | Schematics       | 2.0   | 2019-01-11 |
| BA_ELX4181_BOM           | 4  | BOM              | 2.0   | 2019-01-11 |
| BA_ELX4181_Layout        | 4  | Layout           | 2.0   | 2019-01-11 |
| BA_ELX4181_Assembly      | 4  | Assembly         | 2.0   | 2019-01-11 |
| <b>ELX5151-****-****</b> |    |                  |       |            |
| BA_ELX5151_Manual        | 28 | Operating manual | 1.5.0 | 2018-07-20 |
| BA_ELX5151_Schematics    | 7  | Schematics       | 1.0   | 2018-07-20 |
| BA_ELX5151_BOM           | 3  | BOM              | 1.0   | 2018-07-20 |
| BA_ELX5151_Assembly      | 4  | Assembly         | 1.0   | 2018-07-20 |
| BA_ELX5151_Layout        | 4  | Layout           | 1.0   | 2018-07-20 |