

Busch-Jaeger Elektro GmbH O Postfach O D-58505 Lüdenscheid

to whom it may concern

Person in charge  
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Our ref. (please quote)  
GPG

Your reference

Your letter dated

Date  
30<sup>th</sup> September, 2021

## **Declaration regarding lifetime of ABB i-bus® KNX products**

Dear Madam or Sir,

Busch-Jaeger Elektro GmbH, Germany (BJE) is a leading manufacturer of components for *Smart Home and Intelligent Building Control*, with over 25 years of experience in bus-based installation systems for buildings. Beginning with the market introduction of the Sigma i-bus® system in 1982 – the world's first bus-based intelligent building control system and forerunner to the present ABB i-bus® KNX system - ABB has since then continually played a significant role in advancing intelligent control technology for modern buildings.

KNX is the first manufacturer independent, globally standardised technology for the intelligent networking of electrical installations for home and building automation, standardised in EN 50491 (EN50491-2 A1: 2015, EN50491-3:2009, EN50491-5-x:2010), EN IEC 63044-3 and ISO/IEC 14543 (ISO/IEC 14543-3-1 to 3-7:2006/2007).

All ABB i-bus® KNX products fulfil the specific hardware requirements for KNX products according to the standard EN50491.

Therefore, the following approximate lifetime expectancy data is applicable for all ABB i-bus® KNX products:

### **1. MTBF (Mean Time Between Failures) > 10 years**

This fulfills the specific hardware requirements for KNX products given by the KNX Association and according to the above mentioned parts of the standard EN50491.

and, where relevant

### **2. Mechanical Service Life (minimum number of switching cycles)**

Dependent on the frequency of operation, the number of switching cycles may determine the minimum lifetime expectancy of the product. The mechanical service life in switching cycle

**A Company of ABB-Group**

Busch-Jaeger Elektro GmbH Freisenbergstraße 2 58513 Lüdenscheid Telephone: +49 23 51 956-0 E-mail: 12.22.51.255.1702	BJE Management: Adalbert Neumann (Chairman), Michael Janzen	Board of directors/ chairman (BJE): Markus Ochsner	Residence of the company: Lüdenscheid Competent registry: local court Iserlohn HRB 4411 Iserlohn, DE 21.11.76.51.6	Deutsche Bank AG, Frankfurt IBAN EUR-payments: DE54 1207 0070 0240 2000 14 IBAN foreign currency payments: DE22 5027 0010 0050 0071 66
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operations at the rated current loads is specified in the technical data sheet of the respective product.

The approximate lifetime expectation is only a general statement and cannot be construed as a legal warranty or other legally binding statement nor as (any kind of) extension of (contractual or statutory) warranty periods. ABB does not assume any warranty or guarantee out an in connection with these lifetime expectancy criteria, unless provided in writing in a contractual relationship with a purchaser.

Certificates, technical data sheets and declaration of conformity for ABB i-bus® KNX products, including all further details regarding to which relevant, harmonized standards the products conform to, can be found on the ABB internet site at: [www.abb.com/knx](http://www.abb.com/knx).

Yours sincerely,

Busch-Jaeger Elektro GmbH

i.V. Olaf Quittmann  
i.V. Olaf Quittmann  
Global Product Management

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