



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**15138-10-1015**

## Plattform 63: future® linear - Busch- axcent® - carat®

Product group: Electrical installation - Electrical switch programs



**BUSCH-JAEGER**

ABB AG BUSCH-JAEGER  
Freisenbergstrasse 2  
58513 Lüdenscheid



### Product qualities:



*Köttner*

**Helmut Köttner**  
Scientific Director  
Freiburg, 09 July 2026



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The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar



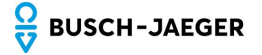


Product:

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## QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

| Criteria                                           | Pos. / product group | Considered substances | QNG assessment                             |
|----------------------------------------------------|----------------------|-----------------------|--------------------------------------------|
| 3.1.3<br>Schadstoffvermeidung<br>in Baumaterialien |                      |                       | QNG ready - Not relevant<br>for assessment |

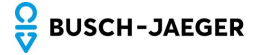


Product:

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## DGNB New Construction 2023.2

| Criteria                           | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level               |
|------------------------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|
| ENV 1.2 Local environmental impact |                                                                        |                                 | Not relevant for assessment |

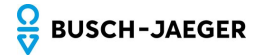


Product:

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## DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

| Criteria                                                                                                                                                                                                   | Assessment                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| ENV1.1 Climate action and energy (*)                                                                                                                                                                       | May positively contribute to the overall building score |
| <b>Verification:</b> EPDs liegen vor. Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten. Typische Nutzungsdauer von 15 Jahren, oft deutlich mehr. C2C Certified® Material Health Bronze. |                                                         |

| Criteria                                                                                                                                                                                         | Assessment                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| ECO1.1 Life cycle cost (*)                                                                                                                                                                       | May positively contribute to the overall building score |
| <b>Verification:</b> Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten. I.d.R. keine regelmäßig Wartung erforderlich. Typische Nutzungsdauer von 15 Jahren, oft deutlich mehr. |                                                         |

| Criteria                                                                                                                                      | Assessment                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| TEC1.4 Use and integration of building technology (*)                                                                                         | May positively contribute to the overall building score |
| <b>Verification:</b> Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten. u.a. KNX, free@home und weitere Smart home Systeme. |                                                         |

| Criteria                                                                            | Assessment                                              |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|
| SOC1.1 Thermal comfort (*)                                                          | May positively contribute to the overall building score |
| <b>Verification:</b> Regelgeräte für Raumklima (Heizung, Klima, Lüftung) enthalten. |                                                         |



| Criteria                                                                                                                                          | Assessment                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| SOC1.2 Indoor air quality (*)                                                                                                                     | May positively contribute to the overall building score |
| <b>Verification:</b> Regelgeräte für Raumklima (Heizung, Klima, Lüftung) enthalten Kohlendioxid- und luftfeuchtigkeitabhängige Lüftungssteuerung. |                                                         |

| Criteria                                                                                             | Assessment                                              |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| SOC1.4 Visual comfort (*)                                                                            | May positively contribute to the overall building score |
| <b>Verification:</b> Bewegungs/Präsenzmelder mit helligkeitsabhängiger Steuerung/regelung enthalten. |                                                         |

| Criteria                                                                                                                                                                                                        | Assessment                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| SOC2.1 Barrier-free design (*)                                                                                                                                                                                  | May positively contribute to the overall building score |
| <b>Verification:</b> Tastbare Symbole für Schalterwippen und Steckdosenabdeckungen enthalten. Verwendung von Abdeckungen in Kontrastfarben zu besseren Sichtbarkeit. Busch-Servicesteckdose® mit Aussteckhilfe. |                                                         |

| Criteria                                                     | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level               |
|--------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) |                                                                        |                                 | Not relevant for assessment |

| Criteria                                                     | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level               |
|--------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) |                                                                        |                                 | Not relevant for assessment |

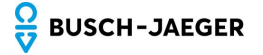


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## DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

| Criteria                           | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level               |
|------------------------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|
| ENV 1.2 Local environmental impact |                                                                        |                                 | Not relevant for assessment |



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## **BNB-BN Neubau V2015**

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

| Criteria                            | Pos. / product type | Considered substance group | Quality level               |
|-------------------------------------|---------------------|----------------------------|-----------------------------|
| 1.1.6 Risiken für die lokale Umwelt |                     |                            | Not relevant for assessment |



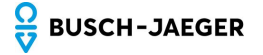


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## EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

| Criteria                                | Product type | Considered substances | Assessment                  |
|-----------------------------------------|--------------|-----------------------|-----------------------------|
| DNSH - Pollution prevention and control |              |                       | Not relevant for assessment |



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## BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

| Criteria                  | Product category | Considered substances | Quality level               |
|---------------------------|------------------|-----------------------|-----------------------------|
| Hea 02 Indoor Air Quality |                  |                       | Not relevant for assessment |

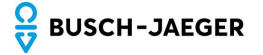


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## **LEED v4.1**

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

| Criteria                          | Product category | Considered substances | Assessment                  |
|-----------------------------------|------------------|-----------------------|-----------------------------|
| EQ Credit: Low-Emitting Materials |                  |                       | Not relevant for assessment |



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# Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



The C2C label identifies products whose design concept follows a “cradle-to-cradle” approach based on a closed raw material cycle, rather than merely offering simple recycling or disposal options. At the “Gold” and “Platinum” levels, emission criteria are also taken into account. However, the requirements are less strict than those necessary for the SHI Indoor Air Quality certification.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, “Avoidance of Harmful Substances in Building Materials.” The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.



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## Legal notices

(\*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

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**Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren%20f%C3%BCr%20Produkte>**

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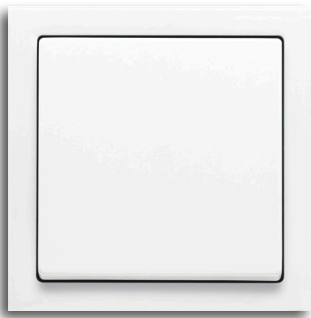
### Publisher

Sentinel Holding Institut GmbH  
Bötzingen Str. 38  
79111 Freiburg im Breisgau  
Germany  
Tel.: +49 761 590 481-70  
[info@sentinel-holding.eu](mailto:info@sentinel-holding.eu)  
[www.sentinel-holding.eu](http://www.sentinel-holding.eu)



## Datenblatt

### Unterputz-Schalterprogramm future® linear



Schalter/Taster  
Farbe: Studioweiß



SCHUKO® Steckdose Safety+  
Farbe: Studioweiß



Drehdimmer  
Farbe: Studioweiß

### future® linear Rahmen



Studioweiß  
(184 K) ähnl.  
RAL 9016



Studioweiß matt  
(884) ähnl.  
RAL 9016



Alusilber  
(183K) ähnl.  
RAL 9006



Schwarz matt  
(885) ähnl.  
RAL 9005



Anthrazit  
(181 K) ähnl.  
RAL 7021



Rot (12-182K)  
ähnl. RAL 3020

### future® linear Abdeckungen



Studioweiß  
(84) ähnl.  
RAL 9016



Studioweiß matt  
(884) ähnl.  
RAL 9016



Alusilber  
(83) ähnl.  
RAL 9006



Schwarz matt  
(885) ähnl.  
RAL 9005



Anthrazit  
(81) ähnl.  
RAL 7021



Rot (12-82)  
ähnl. RAL 3020

### EIGENSCHAFTEN

- + Es können die Einsätze und Abdeckungen der Plattform 63 genutzt werden\*
- + Eine Aufputz-Montage ist in Verbindung mit unseren Aufputz-Gehäusen 1-fach bis 3-fach möglich
- + UV-beständig
- + PVC- und halogenfrei
- + Schlag- und bruchfest
- + RoHS-konform
- + Cradle-to-Cradle zertifiziert, ökologisch unbedenklich
- + ISCC-zertifiziert, nachhaltige Nutzung von Biomasse
- + Für Kanalinstallation geeignet
- + Abdeckung: Thermoplast (PC)
- + Softtouch: angenehme Haptik
- + future® linear Rahmen sind in den Varianten 1-fach bis 5-fach für senkrechte oder waagerechte Montage erhältlich

### MASS E

- + Wippe Abdeckung: 63 mm × 63 mm
- + Abdeckrahmen 1-fach: 80 mm × 80 mm
- + Einbautiefe UP-Einsätze: für UP-Dosen nach DIN 49073-1 (wenn nicht gesondert angegeben)
- + Aufbauhöhe Schalter: 17 mm
- + Aufbauhöhe Steckdose: 14 mm
- + Schutzart: IP20
- + Betriebstemperatur: -5 °C ... 40 °C
- + Lagertemperatur: -25 °C ... 40 °C

### REINIGUNGSEMPFEHLUNG

- + Nehmen Sie ein fusselfreies, weiches Tuch und reinigen Sie die Oberfläche im nebelfeuchten Zustand.
- + Verwenden Sie zur Reinigung (auch die Erstreinigung) ausschließlich handwarmes Wasser (ggf. mit einem Spritzer Neutralreiniger oder Geschirrspülmittel).
- + Der verwendete Reiniger darf keinesfalls scheuernde, scharfe oder alkoholische Zusätze enthalten.
- + Bei Verwendung von Desinfektionsmitteln ist darauf zu achten, dass diese für die verwendeten Materialien geeignet sind.
- + Sprühen Sie keine Flüssigkeit direkt auf das Gerät.
- + Verwenden Sie keine groben Wischtücher oder solche auf Papierbasis, da diese die Oberfläche zerkratzen können.
- + Insbesondere bei matten Oberflächen empfehlen wir die regelmäßige Reinigung gemäß der obigen Anleitung, um Schmutzablagerungen vorzubeugen.

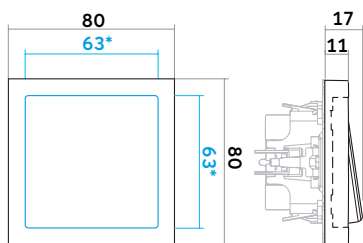
Bei einer Trockenreinigung besteht fast immer die Gefahr, dass durch anhaftende Staubpartikel am Tuch oder am Produkt Kratzer auf der Oberfläche entstehen. Das ist bei einem Schalterprogramm nicht anders als bei anderen Haushaltsgegenständen mit glatten Kunststoffoberflächen (z. B. TV, Audiogeräte).

\*Plattform 63: Ein einheitliches Format der Wippen, Einsätze und Abdeckungen ermöglicht ein ganz individuelles Design. Über 100 verschiedene Einsätze für verschiedene Schalterprogramme. Anpassbar an jeden Einrichtungsstil und nahezu unbegrenzt individualisierbar durch verschiedene Rahmenfarben und eine Vielzahl unterschiedlicher Materialien.

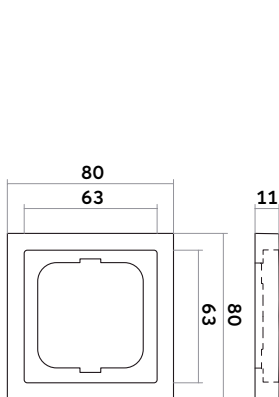


## Datenblatt

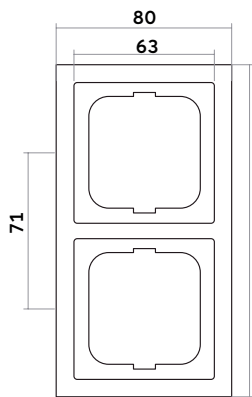
### Maßzeichnungen future® linear



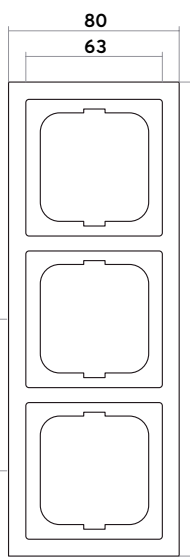
Schalter



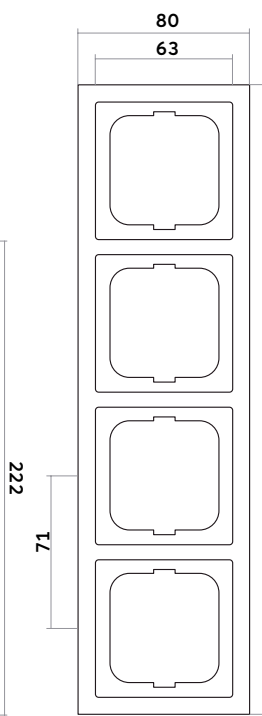
Abdeckrahmen  
1-fach



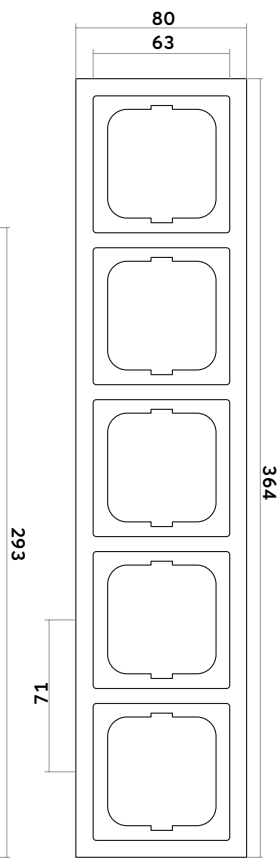
Abdeckrahmen  
2-fach



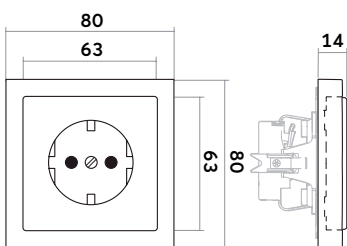
Abdeckrahmen  
3-fach



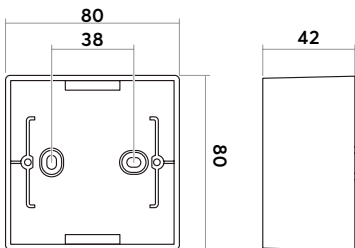
Abdeckrahmen  
4-fach



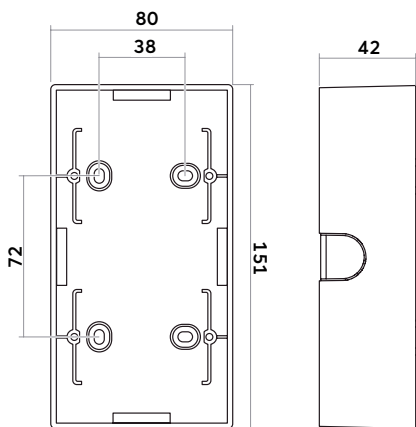
Abdeckrahmen  
5-fach



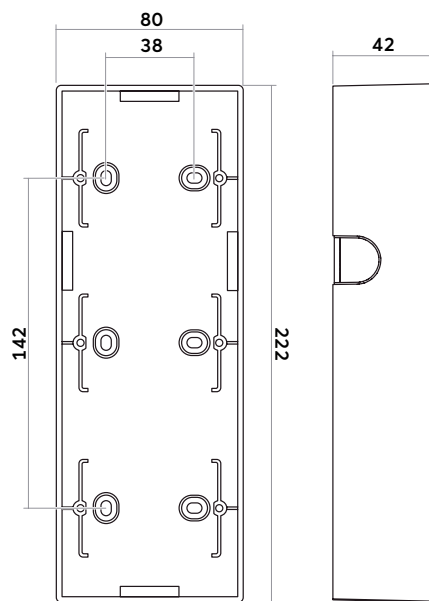
Steckdose



AP-Gehäuse 1-fach



AP-Gehäuse 2-fach

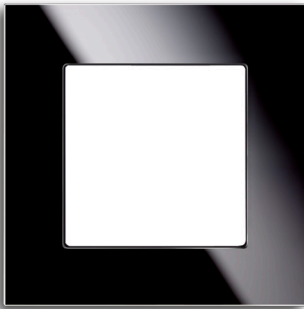


AP-Gehäuse 3-fach



## Datenblatt

### Unterputz-Schalterprogramm carat®



Schalter/Taster  
Farbe: Studioweiß/Glas schwarz



SCHUKO® Steckdose Safety+  
Farbe: Studioweiß/Glas schwarz



Drehdimmer  
Farbe: Studioweiß/Glas schwarz

### carat® Rahmen



Weißglas (811)  
ähnl. RAL 9016



Glas schwarz  
(825)



Edelstahl  
(860)

### carat® Abdeckungen



Anthrazit (81)  
ähnl. RAL 7021



Studioweiß (84)  
ähnl. RAL 9016



Studioweiß matt (844)  
ähnl. RAL 9016



Schwarz matt (885)  
ähnl. RAL 9005

### EIGENSCHAFTEN

- + Es können die Einsätze und Abdeckungen der Plattform 63 genutzt werden\*
- + UV-beständig
- + PVC- und halogenfrei
- + Abdeckung: schlag- und bruchfest
- + RoHS-konform
- + Abdeckung: Thermoplast (PC)
- + Rahmen aus Echtmaterialien
- + Für Kanalinstallation geeignet
- + carat® Rahmen sind in den Varianten 1-fach bis 5-fach für senkrechte oder waagerechte Montage erhältlich

### MASS E

- |                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| + Wippe Abdeckung:         | 63 mm × 63 mm                                                     |
| + Abdeckrahmen 1-fach:     | 107 mm × 107 mm                                                   |
| + Einbautiefe UP-Einsätze: | für UP-Dosen nach DIN 49073-1<br>(wenn nicht gesondert angegeben) |
| + Aufbauhöhe Schalter:     | 17 mm                                                             |
| + Aufbauhöhe Steckdose:    | 14 mm                                                             |
| + Schutzart:               | IP20                                                              |
| + Betriebstemperatur:      | -5 °C ... 40 °C                                                   |
| + Lagertemperatur:         | -25 °C ... 40 °C                                                  |

### REINIGUNGSEMPFEHLUNG

- + Nehmen Sie ein fusselfreies, weiches Tuch und reinigen Sie die Oberfläche im nebelfeuchten Zustand.
- + Verwenden Sie zur Reinigung (auch die Erstreinigung) ausschließlich handwarmes Wasser (ggf. mit einem Spritzer Neutralreiniger oder Geschirrspülmittel).
- + Der verwendete Reiniger darf keinesfalls scheuernde, scharfe oder alkoholische Zusätze enthalten.
- + Bei Verwendung von Desinfektionsmitteln ist darauf zu achten, dass diese für die verwendeten Materialien geeignet sind.
- + Sprühen Sie keine Flüssigkeit direkt auf das Gerät.
- + Verwenden Sie keine groben Wischtücher oder solche auf Papierbasis, da diese die Oberfläche zerkratzen können.
- + Insbesondere bei matten Oberflächen empfehlen wir die regelmäßige Reinigung gemäß der obigen Anleitung, um Schmutzablagerungen vorzubeugen.

Bei einer Trockenreinigung besteht fast immer die Gefahr, dass durch anhaftende Staubpartikel am Tuch oder am Produkt Kratzer auf der Oberfläche entstehen. Das ist bei einem Schalterprogramm nicht anders als bei anderen Haushaltsgegenständen mit glatten Kunststoffoberflächen (z. B. TV, Audiogeräte).

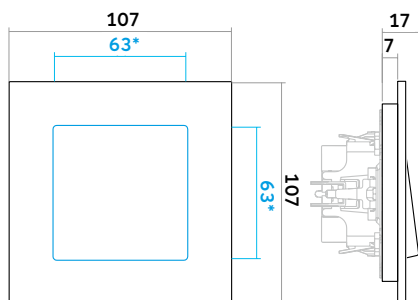
\*Plattform 63: Ein einheitliches Format der Wippen, Einsätze und Abdeckungen ermöglicht ein ganz individuelles Design. Über 100 verschiedene Einsätze für verschiedene Schalterprogramme. Anpassbar an jeden Einrichtungsstil und nahezu unbegrenzt individualisierbar durch verschiedene Rahmenfarben und eine Vielzahl unterschiedlicher Materialien.



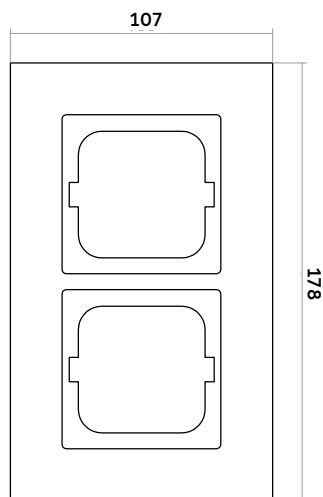


## Datenblatt

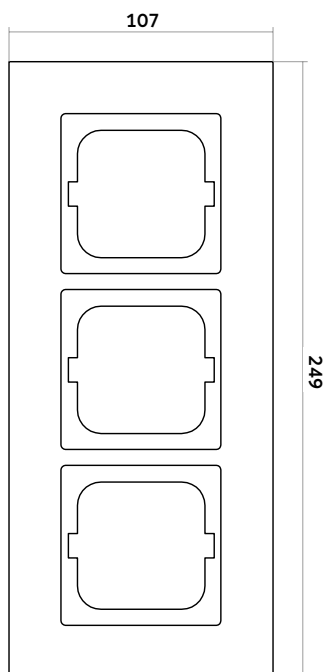
### Maßzeichnungen carat®



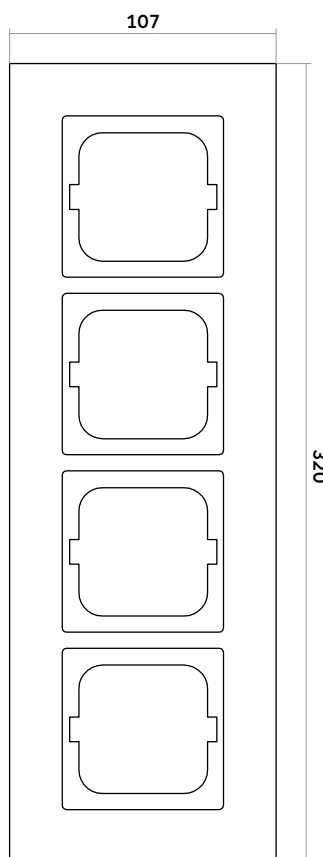
Schalter



Abdeckrahmen 2-fach



Abdeckrahmen 3-fach

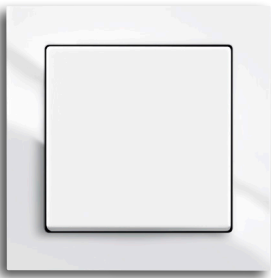


Abdeckrahmen 4-fach



## Datenblatt

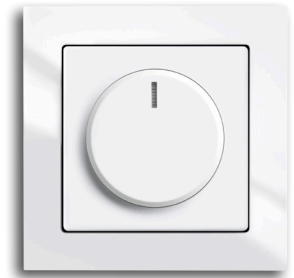
### Unterputz-Schalterprogramm Busch-axcent®/Busch-axcent® pur



Schalter/Taster  
Farbe: Studioweiß

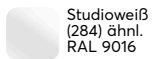


SCHUKO® Steckdose Safety+  
Farbe: Studioweiß



Drehdimmer  
Farbe: Studioweiß

#### Busch-axcent® Rahmen



Studioweiß  
(284) ähnl.  
RAL 9016



Schwarz  
(281) ähnl.  
RAL 9005



Rot (287)  
ähnl.  
RAL 3020



Gelb (285)  
ähnl.  
RAL 1018

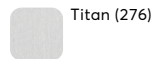


Blau (288)  
ähnl.  
RAL 5002



Grün (286)  
ähnl.  
RAL 6032

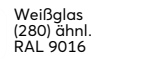
#### Busch-axcent® pur Rahmen



Titan (276)



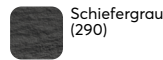
Schwarz  
matt (275)  
ähnl.  
RAL 9005



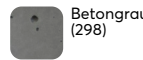
Weißglas  
(280) ähnl.  
RAL 9016



Schwarzglas  
(245) ähnl.  
RAL 9005



Schiefergrau  
(290)



Betongrau  
(298)



Papierbraun  
(243)

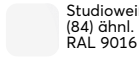
#### Busch-axcent® Abdeckungen



Anthrazit  
(81) ähnl.  
RAL 7021



Alusilber  
(83) ähnl.  
RAL 9006



Studioweiß  
(84) ähnl.  
RAL 9016



Studioweiß  
matt (884)  
ähnl.  
RAL 9016



Schwarz  
matt (885)  
ähnl.  
RAL 9005

#### EIGENSCHAFTEN

- + Es können die Einsätze und Abdeckungen der Plattform 63 genutzt werden\*
- + UV-beständig
- + PVC- und halogenfrei
- + Schlag- und bruchfest
- + Abdeckung: schlag- und bruchfest
- + RoHS-konform
- + Cradle-to-Cradle zertifiziert, ökologisch unbedenklich
- + Für Kanalinstallation geeignet
- + Busch-axcent®/Busch-axcent® pur Rahmen sind in den Varianten 1-fach bis 5-fach für senkrechte oder waagerechte Montage erhältlich

#### MASS E

- + Wippe Abdeckung: 63 mm × 63 mm
- + Abdeckrahmen 1-fach: 91 mm × 91 mm
- + Einbautiefe UP-Einsätze: für UP-Dosen nach DIN 49073-1 (wenn nicht gesondert angegeben)
- + Aufbauhöhe Schalter: 11 mm/17 mm
- + Aufbauhöhe Steckdose: 11 mm/13 mm
- + Schutzart: IP20
- + Betriebstemperatur: -5 °C ... 40 °C
- + Lagertemperatur: -25 °C ... 40 °C

#### REINIGUNGSEMPFEHLUNG

- + Nehmen Sie ein fusselfreies, weiches Tuch und reinigen Sie die Oberfläche im nebelfeuchten Zustand.
- + Verwenden Sie zur Reinigung (auch die Erstreinigung) ausschließlich handwarmes Wasser (ggf. mit einem Spritzer Neutralreiniger oder Geschirrspülmittel).
- + Der verwendete Reiniger darf keinesfalls scheuernde, scharfe oder alkoholische Zusätze enthalten.
- + Bei Verwendung von Desinfektionsmitteln ist darauf zu achten, dass diese für die verwendeten Materialien geeignet sind.
- + Sprühen Sie keine Flüssigkeit direkt auf das Gerät.
- + Verwenden Sie keine groben Wischtücher oder solche auf Papierbasis, da diese die Oberfläche zerkratzen können.
- + Insbesondere bei matten Oberflächen empfehlen wir die regelmäßige Reinigung gemäß der obigen Anleitung, um Schmutzablagerungen vorzubeugen.

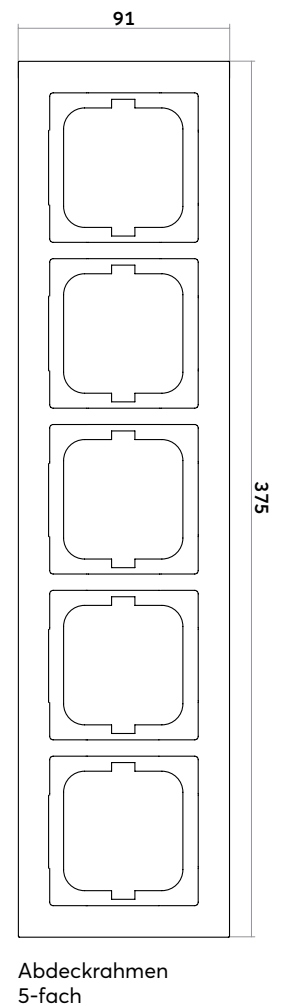
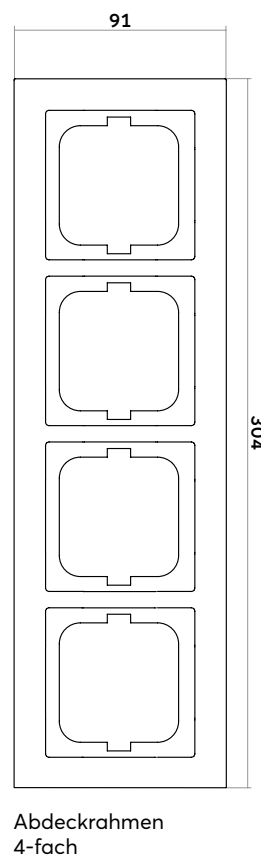
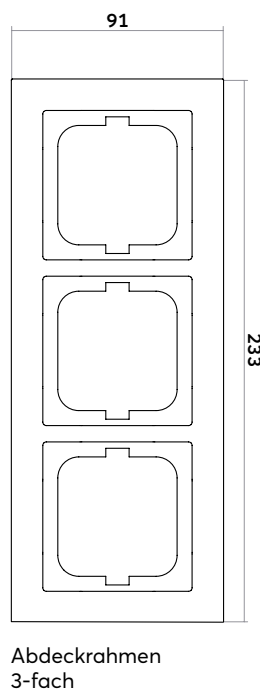
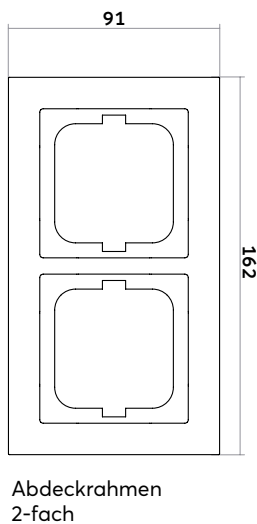
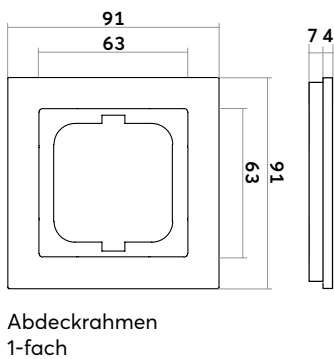
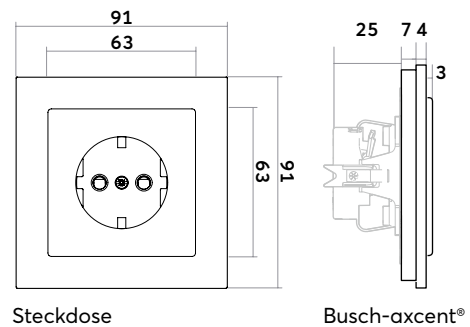
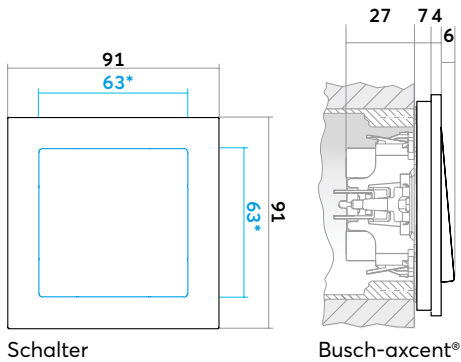
Bei einer Trockenreinigung besteht fast immer die Gefahr, dass durch anhaftende Staubpartikel am Tuch oder am Produkt Kratzer auf der Oberfläche entstehen. Das ist bei einem Schalterprogramm nicht anders als bei anderen Haushaltsgegenständen mit glatten Kunststoffoberflächen (z. B. TV, Audiogeräte).

\*Plattform 63: Ein einheitliches Format der Wippen, Einsätze und Abdeckungen ermöglicht ein ganz individuelles Design. Über 100 verschiedene Einsätze für verschiedene Schalterprogramme. Anpassbar an jeden Einrichtungsstil und nahezu unbegrenzt individualisierbar durch verschiedene Rahmenfarben und eine Vielzahl unterschiedlicher Materialien.



## Datenblatt

### Maßzeichnungen Busch-axcent®/Busch-axcent® pur





## Datenblatt

### Unterputz-Schalterprogramm solo®



Schalter/Taster  
Farbe: Studioweiß



SCHUKO® Steckdose Safety+  
Farbe: Studioweiß



Drehdimmer  
Farbe: Studioweiß

#### solo® Rahmen



Studioweiß (84)  
ähnl. RAL 9016

#### solo® Abdeckungen



Studioweiß (84)  
ähnl. RAL 9016

### EIGENSCHAFTEN

- + Es können die Einsätze und Abdeckungen der Plattform 63 genutzt werden\*
- + UV-beständig
- + PVC- und halogenfrei
- + Schlag- und bruchfest
- + Abdeckung: schlag- und bruchfest
- + RoHS-konform
- + Abdeckung: Thermoplast (PC)
- + Schwebende Optik durch Schattenfuge
- + solo® Rahmen sind in den Varianten 1-fach bis 5-fach für senkrechte oder waagerechte Montage erhältlich

### M A S S E

- |                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| + Wippe Abdeckung:         | 63 mm × 63 mm                                                  |
| + Abdeckrahmen 1-fach:     | 87 mm × 87 mm                                                  |
| + Einbautiefe UP-Einsätze: | für UP-Dosen nach DIN 49073-1 (wenn nicht gesondert angegeben) |
| + Aufbauhöhe Schalter:     | 17 mm                                                          |
| + Aufbauhöhe Steckdose:    | 14 mm                                                          |
| + Schutzart:               | IP20                                                           |
| + Betriebstemperatur:      | -5 °C ... 40 °C                                                |
| + Lagertemperatur:         | -25 °C ... 40 °C                                               |

### REINIGUNGSEMPFEHLUNG

- + Nehmen Sie ein fusselfreies, weiches Tuch und reinigen Sie die Oberfläche im nebelfeuchten Zustand.
- + Verwenden Sie zur Reinigung (auch die Erstreinigung) ausschließlich handwarmes Wasser (ggf. mit einem Spritzer Neutralreiniger oder Geschirrspülmittel).
- + Der verwendete Reiniger darf keinesfalls scheuernde, scharfe oder alkoholische Zusätze enthalten.
- + Bei Verwendung von Desinfektionsmitteln ist darauf zu achten, dass diese für die verwendeten Materialien geeignet sind.
- + Sprühen Sie keine Flüssigkeit direkt auf das Gerät.
- + Verwenden Sie keine groben Wischtücher oder solche auf Papierbasis, da diese die Oberfläche zerkratzen können.
- + Insbesondere bei matten Oberflächen empfehlen wir die regelmäßige Reinigung gemäß der obigen Anleitung, um Schmutzablagerungen vorzubeugen.

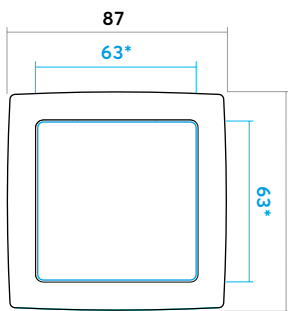
Bei einer Trockenreinigung besteht fast immer die Gefahr, dass durch anhaftende Staubpartikel am Tuch oder am Produkt Kratzer auf der Oberfläche entstehen. Das ist bei einem Schalterprogramm nicht anders als bei anderen Haushaltsgegenständen mit glatten Kunststoffoberflächen (z. B. TV, Audiogeräte).

\*Plattform 63: Ein einheitliches Format der Wippen, Einsätze und Abdeckungen ermöglicht ein ganz individuelles Design. Über 100 verschiedene Einsätze für verschiedene Schalterprogramme. Anpassbar an jeden Einrichtungsstil und nahezu unbegrenzt individualisierbar durch verschiedene Rahmenfarben und eine Vielzahl unterschiedlicher Materialien.

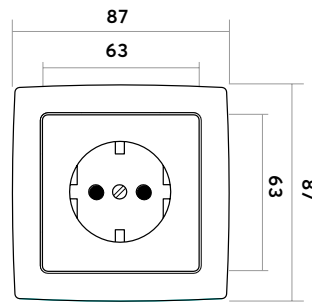
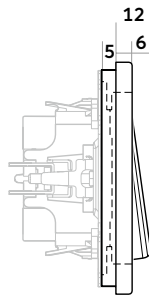


## Datenblatt

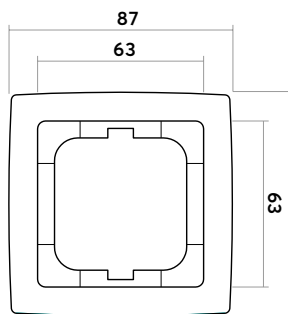
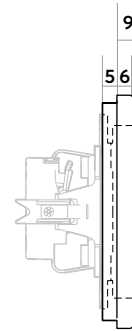
### Maßzeichnungen solo®



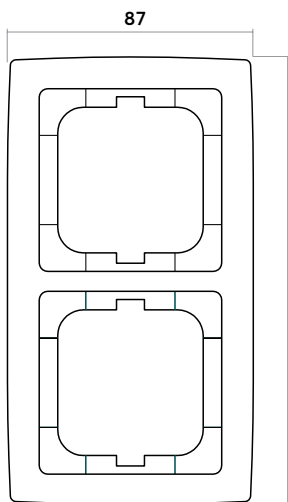
Schalter



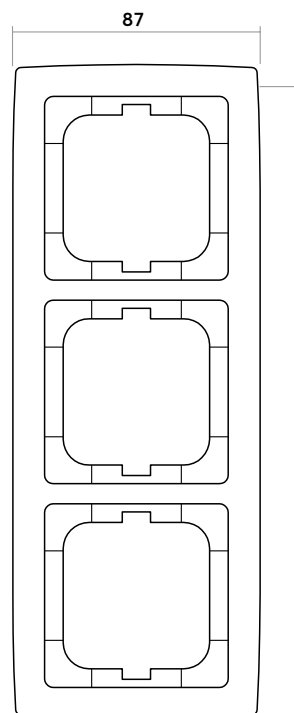
Steckdose



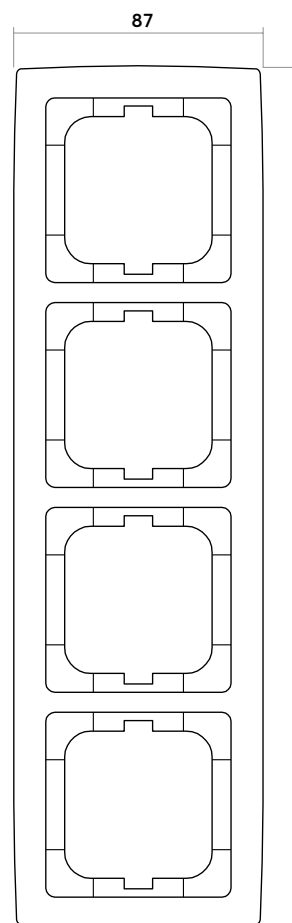
Abdeckrahmen 1-fach



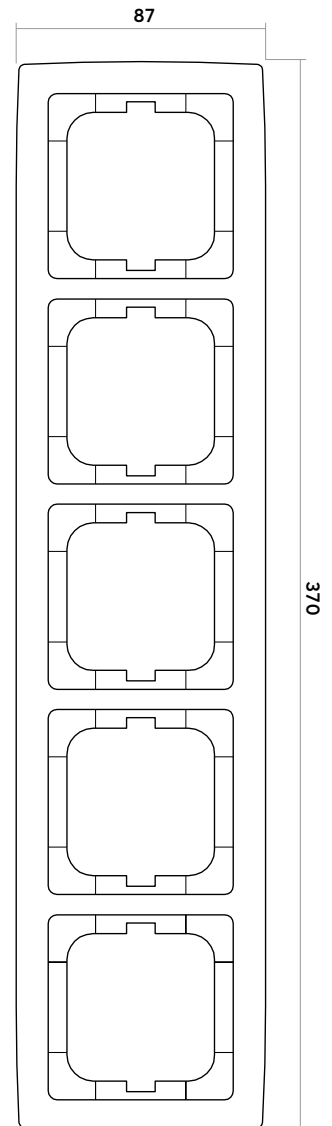
Abdeckrahmen 2-fach



Abdeckrahmen 3-fach



Abdeckrahmen 4-fach



Abdeckrahmen 5-fach

# Product Environmental Profile

## Environmental Product Declaration



|                                                 |                |                                                                           |      |       |      |
|-------------------------------------------------|----------------|---------------------------------------------------------------------------|------|-------|------|
| ORGANIZATION                                    |                | CONTACT INFORMATION                                                       |      |       |      |
| Busch-Jaeger Elektro GmbH                       |                | lide.brito@es.abb.com                                                     |      |       |      |
| ADDRESS                                         |                | WEBSITE                                                                   |      |       |      |
| Freisenbergstraße 2, 58513 Lüdenscheid, Germany |                | https://www.busch-jaeger.de/en/product/future-linear/schuko-socket-outlet |      |       |      |
| STATUS                                          | SECURITY LEVEL | REGISTRATION NUMBER                                                       | REV. | LANG. | PAGE |
| Approved                                        | Public         | PEP ecopassport®:<br>ABBG-00126-V01.01-EN                                 | 1    | en    | 1/12 |
| © Copyright 2022 ABB. All rights reserved.      |                |                                                                           |      |       |      |



# ABB Purpose & Embedding Sustainability

ABB is committed to continually promoting and embedding sustainability across its operations and value chain, aspiring to become a role model for others to follow. With its ABB Purpose, ABB is focusing on reducing harmful emissions, preserving natural resources and championing ethical and humane behavior.



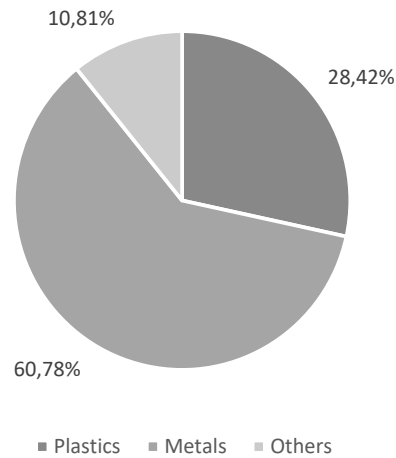
## General Information

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reference product</b>          | SCHUKO® socket outlet with screwless terminals (2CKA002011A3725)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description of the product</b> | The product is a white square socket outlet (71x71x41 mm) which consists of two main parts (Insert + centre plate). The insert is mostly the same in each design range, whereas the central plate can vary in size and shape. The SCHUKO® socket outlet is designed to provide electricity to electrical consumers with a plug of a load consuming 16A under a voltage of 250V. The socket outlet is designed for the indoor installation, such as private homes, hotels, retail, commercial buildings and more. The SCHUKO® socket is installed into a flush-mounted wall box, by a professional installer. For exact environmental details, please refer to VDE 0620-1. The intended market is Europe, and more specifically Germany, Austria and The Netherlands. |
| <b>Functional unit</b>            | Connect/Disconnect the plug of a load consuming 16A under a voltage of 250V for 20 years while protecting the user from direct contact with live parts and with a protection class IP20 and IK02.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other products covered</b>     | SCHUKO® socket outlet with screwless terminals (2CKA002011A3725)<br>SCHUKO® socket outlet (2CKA002011A1888)<br>SCHUKO® socket outlet with screwless terminals (2CKA002011A6232)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| STATUS   | SECURITY LEVEL | REGISTRATION NUMBER                       | REV. | LANG. | PAGE |
|----------|----------------|-------------------------------------------|------|-------|------|
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## Constituent materials



### Total weight of Reference product

111,99 g including the product and its packaging

| Plastics as % of weight  |          | Metals as % of weight |          | Others as % of weight |          |
|--------------------------|----------|-----------------------|----------|-----------------------|----------|
| Name and CAS number      | Weight-% | Name and CAS number   | Weight-% | Name and CAS number   | Weight-% |
| Polycarbonate            | 15,90    | Steel                 | 47,73    | Cardboard             | 8,13     |
| Duroplast                | 11,51    | Brass                 | 13,05    | Paper                 | 2,68     |
| Glue                     | 0,03     | –                     | –        | –                     | –        |
| Low density Polyethylene | 0,98     | –                     | –        | –                     | –        |

The product is in conformity with the provisions of RoHS directive 2011/65/EU, covering 2015/863(EU), REACH regulation No 1907/2006, and national legislation.

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## Additional Environmental Information

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturing</b>                                   | <p>While most metal parts are manufactured in Lüdenscheid, the thermoplast and thermoset molding happen in Bad Berleburg/Aue. From there, all following steps including the final assembly, product packaging and distribution happen at the Lüdenscheid site. All components are transported by lorry from the supplier to these manufacturing sites.</p> <p>No recycled material content is assumed. All components are transported by lorry from the supplier to these manufacturing sites. The electricity mix on both manufacturing sites is largely renewable from Scandinavian hydropower and rooftop solar power on the Lüdenscheid site (together 82% in Bad Berleburg/Aue and 77% in Lüdenscheid). Instead of hydropower, a German electricity market mix was modelled to avoid double counting of renewable energy. The remaining power and heating demand is met by combustion of natural gas, for which all CO<sub>2</sub> emissions are compensated through ClimatePartner. Nevertheless, this compensation is not accounted for in the model of this EPD. Production waste is assumed to be transported by lorry (1000 km by default in the PCR) and treated by incineration. Specific one-year data from 2021 on manufacturing site level was collected and allocated to the product by economic partitioning following the requirements of ISO 14044.</p> |
| <b>Distribution</b>                                    | <p>The transport scenario is estimated based on the distance to the capital city of the countries it is sold to, according to the sales data for 2021.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Installation</b>                                    | <p>Installation is done manually, without using energy or other auxiliary materials. Treatment of packaging waste is included in this stage, assuming an incineration scenario.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Use</b>                                             | <p>The power dissipation is 0,062 W and the product has a reference lifetime of 20 years. The use scenario described in the PSR is followed. At a load rate of 50% of the current and a use time rate of 50%, the power consumption over the lifetime of the product is 1,36 kWh. A regional electricity mix is used to model the fraction of the product to each country it is sold to according to sales data.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>End of life</b>                                     | <p>Considering the complexity and the lack of knowledge of the electric and electronic recycling processes, the standard scenario set in the PCR is considered.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Benefits and loads beyond the system boundaries</b> | <p>Not applicable</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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# Environmental impacts

|                                         |                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reference lifetime</b>               | 20 years                                                                                                                                                             |
| <b>Product category</b>                 | 3.13 "Other equipment" (exception: the functional unit and use scenario of the PSR 3.8 "Sockets" was used).                                                          |
| <b>Installation elements</b>            | Not applicable                                                                                                                                                       |
| <b>Use scenario</b>                     | Load rate is 50% of In, use time rate is 50% or RLT                                                                                                                  |
| <b>Geographical representativeness</b>  | Production site data is for Germany, power consumption during the use stage is related to the country it is sold to (European), all other data has a European scope. |
| <b>Technological representativeness</b> | Materials and process data are specific for the production of the SCHUKO® socket.                                                                                    |
| <b>Software and database used</b>       | SimaPro 9.4.0.2., ecoinvent 3.8                                                                                                                                      |

## Energy model used

|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturing</b> | Electricity, high voltage {SE}  electricity production, hydro, reservoir, non-alpine region   Cut-off, U<br>Electricity, low voltage {DE}  electricity production, photovoltaic, 3kWp slanted-roof installation, single-Si, panel, mounted   Cut-off, U<br>Natural gas, high pressure {DE}  market for   Cut-off, S |
| <b>Installation</b>  | Not applicable                                                                                                                                                                                                                                                                                                      |
| <b>Use</b>           | Electricity, medium voltage {DE}  market for   Cut-off, U<br>Electricity, medium voltage {AT}  market for   Cut-off, U<br>Electricity, medium voltage {NL}  market for   Cut-off, U                                                                                                                                 |
| <b>End of life</b>   | Not applicable                                                                                                                                                                                                                                                                                                      |

| STATUS   | SECURITY LEVEL | REGISTRATION NUMBER                       | REV. | LANG. | PAGE |
|----------|----------------|-------------------------------------------|------|-------|------|
| Approved | Public         | PEP ecopassport®:<br>ABBG-00126-V01.01-EN | 1    | en    | 5/12 |



## Common base of mandatory indicators

### Inventory flows indicator – Resource use indicators

| Indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| PERE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MJ   | 4,29E+00 | 5,77E-01           | 3,91E-03          | 2,80E-04          | 3,65E+00 | 5,24E-02       | -             |
| PERM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MJ   | 1,47E-01 | 1,47E-01           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| PERT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MJ   | 4,43E+00 | 7,24E-01           | 3,91E-03          | 2,80E-04          | 3,65E+00 | 5,24E-02       | -             |
| PENRE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MJ   | 2,56E+01 | 4,04E+00           | 2,31E-01          | 1,68E-02          | 2,04E+01 | 8,36E-01       | -             |
| PENRM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MJ   | 2,45E+00 | 2,45E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| PENRT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MJ   | 2,80E+01 | 6,50E+00           | 2,31E-01          | 1,68E-02          | 2,04E+01 | 8,36E-01       | -             |
| PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials<br>PERM = Use of renewable primary energy resources used as raw materials<br>PERT = Total Use of renewable primary energy resources<br>PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials<br>PENRM = Use of non-renewable primary energy resources used as raw materials<br>PENRT = Total Use of non-renewable primary energy re-sources) |      |          |                    |                   |                   |          |                |               |

### Inventory flows indicator – Indicators describing the use of secondary materials, water, and energy re-sources

| Indicator                                                                                                                                              | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| SM                                                                                                                                                     | kg   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| RSF                                                                                                                                                    | MJ   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| NRSF                                                                                                                                                   | MJ   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| FW                                                                                                                                                     | m³   | 1,71E-02 | 6,04E-03           | 2,92E-05          | 9,81E-06          | 1,05E-02 | 5,40E-04       | -             |
| SM = Use of secondary material<br>RSF = Use of renewable secondary fuels<br>NRSF = Use of non-renewable secondary fuels<br>FW = Use of net fresh water |      |          |                    |                   |                   |          |                |               |

### Inventory flows indicator – Waste category indicators

| Indicator                     | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|-------------------------------|------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| Hazardous waste disposed      | kg   | 2,39E-04 | 2,39E-04           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| Non- hazardous waste disposed | kg   | 1,28E-01 | 1,62E-02           | 0,00E+00          | 1,32E-02          | 0,00E+00 | 9,88E-02       | -             |
| Radioactive waste disposed    | kg   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |

|          |                |                                           |      |       |      |
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## Common base of mandatory indicators

### Inventory flows indicator – Output flow indicators

| Indicator                     | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|-------------------------------|------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| Components for re-use         | kg   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| Materials for recycling       | kg   | 5,15E-02 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 5,15E-02       | -             |
| Materials for energy recovery | kg   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |
| Exported energy               | MJ   | 0,00E+00 | 0,00E+00           | 0,00E+00          | 0,00E+00          | 0,00E+00 | 0,00E+00       | -             |

### Inventory flow indicator – other indicators

| Indicator                                           | Unit    | Total    |          |          |           |          |          |   |
|-----------------------------------------------------|---------|----------|----------|----------|-----------|----------|----------|---|
| Biogenic carbon content of the product              | kg of C | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | - |
| Biogenic carbon content of the associated packaging | kg of C | 0,00E+00 | 5,45E-03 | 0,00E+00 | -5,45E-03 | 0,00E+00 | 0,00E+00 | - |

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## Optional indicators

### Environmental indicators

| Indicator                                         | Unit                               | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|---------------------------------------------------|------------------------------------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| Total use of primary energy during the life cycle | MJ                                 | 3,25E+01 | 7,22E+00           | 2,35E-01          | 1,71E-02          | 2,41E+01 | 8,88E-01       | -             |
| Emissions of fine particles                       | inci-<br>dence<br>of dis-<br>eases | 6,26E-08 | 4,38E-08           | 1,15E-09          | 1,83E-10          | 1,12E-08 | 6,31E-09       | -             |
| Ionizing radiation, human health                  | kBq<br>U235<br>eq.                 | 8,51E-02 | 1,32E-02           | 1,00E-03          | 6,75E-05          | 6,64E-02 | 4,40E-03       | -             |
| Ecotoxicity (fresh water)                         | CTUe                               | 7,37E+01 | 5,80E+01           | 1,88E-01          | 3,33E-01          | 1,23E+01 | 2,85E+00       | -             |
| Human toxicity, carcinogenic effects              | CTUh                               | 4,04E-09 | 2,51E-09           | 6,89E-12          | 5,82E-12          | 2,97E-10 | 1,22E-09       | -             |
| Human toxicity, non-carcinogenic effects          | CTUh                               | 1,00E-07 | 8,77E-08           | 1,91E-10          | 7,49E-11          | 1,08E-08 | 1,30E-09       | -             |
| Impact related to land use/soil quality           | Pt                                 | 6,83E+00 | 3,34E+00           | 1,36E-01          | 7,15E-03          | 2,98E+00 | 3,68E-01       | -             |

|          |                |                                           |      |       |      |
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For other products than the Reference product covered by this PEP, the environmental impacts for each phase of the lifecycle are obtained by multiplying the values of the Reference product by the following coefficients:

\* if the coefficient is "1", the impacts of the phase of the life cycle are assimilated to the Reference product, meaning that the impacts are unchanged in comparison to the Reference product

| Product name                                            | Manufacturing | Distribution | Installation | Use | End of life | Benefits |
|---------------------------------------------------------|---------------|--------------|--------------|-----|-------------|----------|
| SCHUKO®<br>socket outlet<br>with screwless<br>terminals | 1             | 1            | 1            | 1   | 1           | -        |
| SCHUKO®<br>socket outlet                                | 0,964         | 0,961        | 0,986        | 1   | 0,958       | -        |
| SCHUKO®<br>socket outlet<br>with screwless<br>terminals | 0,964         | 0,961        | 0,982        | 1   | 0,958       | -        |

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|                                |                                      |                            |
|--------------------------------|--------------------------------------|----------------------------|
| Registration number:           | Drafting Rules:                      | PCR-ed4-EN-2021 09 06      |
| ABBG-00126-V01.01-EN           | Supplemented by:                     | PSR-0005-ed2-EN-2016 03 29 |
| Verifier accreditation number: | Information and reference documents: |                            |
| VH32                           | www.pep-ecopassport.org              |                            |
| Date of issue:                 | 03/2023                              | Validity period: 5 years   |

Independent verification of the declaration and data, in compliance with ISO 14025: 2010

Internal



External



The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)

PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019  
The components of the present PEP may not be compared with components from any other program.



Document in compliance with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"

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## Environmental Impact Indicator Glossary

### Impact indicators

| Indicator                                                         | Description                                                                                                                                                                                                                                                                               | Unit                                 |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Global warming potential (GWP) - total                            | Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. The total global warming potential (GWP-total) is the sum of three sub-categories of climate change.<br>GWP-total = GWP-fossil + GWP-biogenic + GWP- land use and land use change | kg CO <sub>2</sub> eq.               |
| Ozone depletion (ODP)                                             | Emissions to air that contribute to the destruction of the stratospheric ozone layer                                                                                                                                                                                                      | kg CFC-11 eq.                        |
| Acidification of soil and water (A)                               | Acidification of soils and water caused by the release of certain gases to the atmosphere, such as nitrogen oxides and sulphur oxides                                                                                                                                                     | H+ eq.                               |
| Eutrophication (E)                                                | Indicator of the contribution to eutrophication of water by the enrichment of the aquatic ecosystem with nutritional elements, e.g. industrial or domestic effluents, agriculture, etc. This indicator is divided to three: freshwater, marine and terrestrial.                           | kg P eq.,<br>kg N eq.,<br>mole N eq. |
| Photochemical ozone creation (POCP)                               | Indicator of emissions of gases that affect the creation of photochemical ozone in the lower atmosphere (smog) because of the rays of the sun.                                                                                                                                            | kg NMVOC eq.                         |
| Depletion of abiotic resources – elements (ADPe)                  | Indicator of the depletion of natural non-fossil resources                                                                                                                                                                                                                                | kg Sb eq.                            |
| Depletion of abiotic resources – fossil fuels (ADP <sub>f</sub> ) | The use of non-renewable fossil resources in an unsustainable way (e.g. from material to waste)                                                                                                                                                                                           | MJ (lower heating value)             |
| Water Deprivation potential (WDP)                                 | Deprivation-weighted water consumption. Assesses the potential of water deprivation, to either humans or ecosystems, building on the assumption that the less water remaining available per area, the more likely another user will be deprived.                                          | m <sup>3</sup> e depr.               |

### Resource use indicators

| Indicator                   | Description                                                                                                                                                                                                                                    | Unit                     |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Total use of primary energy | Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) + Total use of renewable primary energy re-sources (primary energy and primary energy resources used as raw materials) | MJ (lower heating value) |

|          |                |                                           |      |       |       |
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FRAME 1GANG BUSCH BALANCE SI

# Product Environmental Profile

## Environmental Product Declaration



Document in compliance with ISO 14025: 2010 "Environmental labels and declarations. Type III environmental declarations"

| ORGANIZATION                                     |                | CONTACT INFORMATION        |      |       |      |
|--------------------------------------------------|----------------|----------------------------|------|-------|------|
| Busch-Jaeger Elektro GmbH                        |                | pia.denninghoff@de.abb.com |      |       |      |
| ADDRESS                                          |                | WEBSITE                    |      |       |      |
| Freisenbergstrasse 2, 58513 Lüdenscheid, Germany |                | busch-jaeger.com           |      |       |      |
| STATUS                                           | SECURITY LEVEL | REGISTRATION NUMBER        | REV. | LANG. | PAGE |
| Approved                                         | Public         | ABBG-00159-V01.01-EN       | 1    | en    | 1/10 |
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## ABB Purpose & Embedding Sustainability

ABB is committed to continually promoting and embedding sustainability across its operations and value chain, aspiring to become a role model for others to follow. With its ABB Purpose, ABB is focusing on reducing harmful emissions, preserving natural resources and championing ethical and humane behavior.



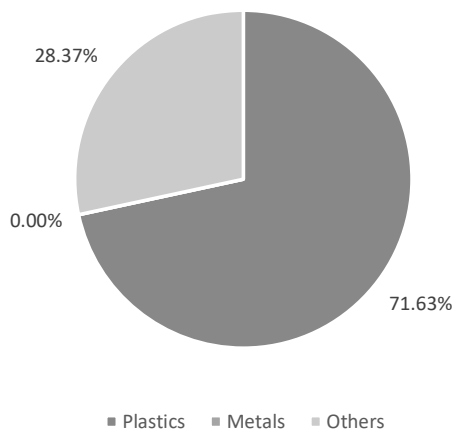
## General Information

|                                   |                                                                                                                                                             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reference product</b>          | Frame 1gang Busch Balance SI (2CKA001725A1555)                                                                                                              |
| <b>Description of the product</b> | PC based frames that provide protection and eastetics to 1-gang BJE switch inserts                                                                          |
| <b>Functional unit</b>            | Protect persons during 20 years against direct contact with live parts of the "rocker switch mechanism", having the following dimensions 81.0x81.0x12.3 mm. |
| <b>Other products covered</b>     | Frame 1gang Reflex SI (2CKA001725A0928)<br>Frame 1gang Future linear (2CKA001754A4235)<br>Frame 1gang Busch-axcent (2CKA001754A4331)                        |

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## Constituent materials



### Total weight of Reference product

24.99 g including the product and its packaging  
16.6 g product only

| Plastics as % of weight  |          | Metals as % of weight |          | Others as % of weight |          |
|--------------------------|----------|-----------------------|----------|-----------------------|----------|
| Name and CAS number      | Weight-% | Name and CAS number   | Weight-% | Name and CAS number   | Weight-% |
| polycarbonate            | 66.43    | –                     | –        | cardboard             | 28.37    |
| low density polyethylene | 5.20     | –                     | –        | –                     | –        |
|                          |          |                       |          |                       |          |
|                          |          |                       |          |                       |          |
|                          |          |                       |          |                       |          |
|                          |          |                       |          |                       |          |



## Additional Environmental Information

|                                                        |                                                                                                                                                                                         |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturing</b>                                   | Manufactured by Busch-Jaeger Elektro GmbH at the Lüdenscheid factory, ISO 14001 certified.                                                                                              |
| <b>Distribution</b>                                    | Transport between the last group distribution centre and an average delivery point in the sales area in Germany, Austria and Netherland.                                                |
| <b>Installation</b>                                    | For the installation of the product, only standard tools are needed. The installation stage includes the disposal of the packaging and the transport of packaging material to disposal. |
| <b>Use</b>                                             | The product does not require special maintenance operations                                                                                                                             |
| <b>End of life</b>                                     | The end-of-life stage is modelled according to PCR-ed4-EN-2021 09 06 and IEC/TR 62635.                                                                                                  |
| <b>Benefits and loads beyond the system boundaries</b> | n.a.                                                                                                                                                                                    |



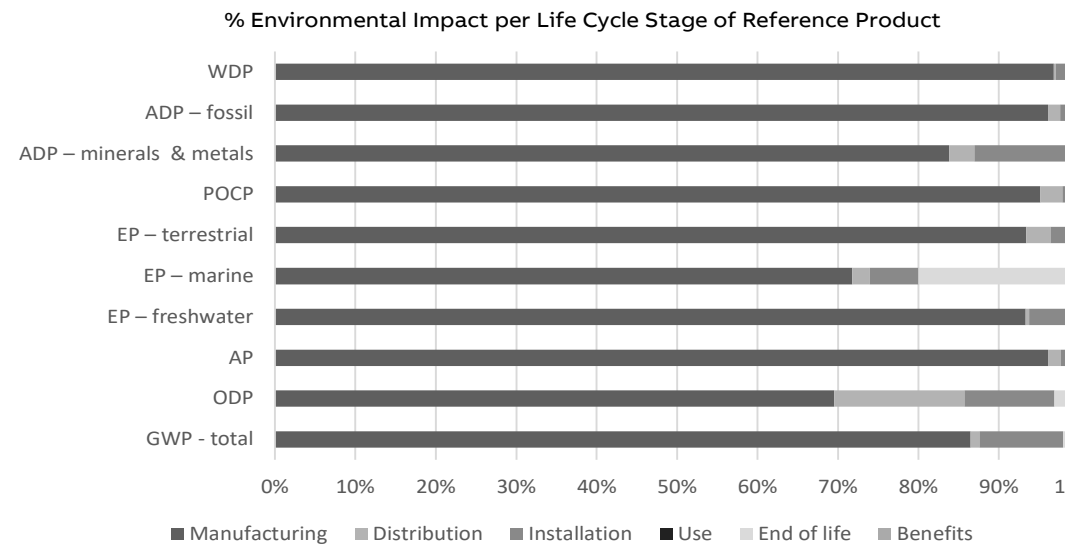
## Environmental impacts

|                                         |                                                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Reference lifetime</b>               | 20 years                                                                                                   |
| <b>Product category</b>                 | Other equipments                                                                                           |
| <b>Installation elements</b>            | No additional elements needed during installation                                                          |
| <b>Use scenario</b>                     | Reference life time (RLT): 20 years                                                                        |
| <b>Geographical representativeness</b>  | Manufacturing: Germany.<br>Distribution, installation, use and end of life : Germany, Austria, Netherland. |
| <b>Technological representativeness</b> | Technological representativeness : manufacturing of lightswitch frame representative of the year 2022"     |
| <b>Software and database used</b>       | SimaPro 9.4, ecoinvent 3.8, methodology PEF3.0                                                             |

### Energy model used

|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| <b>Manufacturing</b> | Energy mix of medium voltage, solar and CHP for DE.                                     |
| <b>Installation</b>  | Data used to model installation element are representative of european electricity mix. |
| <b>Use</b>           | n.a.                                                                                    |
| <b>End of life</b>   | Data used to model installation element are representative of european electricity mix. |

## Common base of mandatory indicators



### Environmental impact indicators

| Indicator                                                                                                                                                                                                                                                               | Unit                   | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of life | Bene-<br>fits |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|--------------------|-------------------|-------------------|----------|----------------|---------------|
| GWP-total                                                                                                                                                                                                                                                               | kg CO <sub>2</sub> eq. | 1.93E-01 | 1.67E-01           | 2.12E-03          | 2.01E-02          | 0.00E+00 | 3.90E-03       | -             |
| GWP-fossil                                                                                                                                                                                                                                                              | kg CO <sub>2</sub> eq. | 1.85E-01 | 1.75E-01           | 2.12E-03          | 3.31E-03          | 0.00E+00 | 3.89E-03       | -             |
| GWP-biogenic                                                                                                                                                                                                                                                            | kg CO <sub>2</sub> eq. | 8.26E-03 | -8.44E-03          | 2.17E-06          | 1.67E-02          | 0.00E+00 | 2.67E-06       | -             |
| GWP-luluc                                                                                                                                                                                                                                                               | kg CO <sub>2</sub> eq. | 1.00E-04 | 6.02E-05           | 7.68E-07          | 3.90E-05          | 0.00E+00 | 1.26E-07       | -             |
| GWP-fossil = Global Warming Potential fossil fuels<br>GWP-biogenic = Global Warming Potential biogenic<br>GWP-luluc = Global Warming Potential land use and land use change                                                                                             |                        |          |                    |                   |                   |          |                |               |
| ODP                                                                                                                                                                                                                                                                     | kg CFC-11 eq.          | 3.14E-09 | 2.19E-09           | 5.10E-10          | 3.50E-10          | 0.00E+00 | 9.79E-11       | -             |
| ODP = Depletion potential of the stratospheric ozone layer                                                                                                                                                                                                              |                        |          |                    |                   |                   |          |                |               |
| AP                                                                                                                                                                                                                                                                      | H <sup>+</sup> eq.     | 6.67E-04 | 6.41E-04           | 1.08E-05          | 1.29E-05          | 0.00E+00 | 2.46E-06       | -             |
| AP = Acidification potential, Accumulated Exceedance                                                                                                                                                                                                                    |                        |          |                    |                   |                   |          |                |               |
| EP-freshwater                                                                                                                                                                                                                                                           | kg P eq.               | 2.83E-05 | 2.64E-05           | 1.33E-07          | 1.73E-06          | 0.00E+00 | 3.15E-08       | -             |
| EP-marine                                                                                                                                                                                                                                                               | kg N eq.               | 1.71E-04 | 1.23E-04           | 3.69E-06          | 1.04E-05          | 0.00E+00 | 3.42E-05       | -             |
| EP-terrestrial                                                                                                                                                                                                                                                          | mol N eq.              | 1.33E-03 | 1.24E-03           | 4.04E-05          | 3.72E-05          | 0.00E+00 | 9.93E-06       | -             |
| EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment<br>EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment<br>EP-terrestrial = Eutrophication potential, Accumulated Exceedance |                        |          |                    |                   |                   |          |                |               |
| POCP                                                                                                                                                                                                                                                                    | kg NMVOC eq.           | 4.40E-04 | 4.18E-04           | 1.21E-05          | 6.03E-06          | 0.00E+00 | 3.19E-06       | -             |
| POCP = Formation potential of tropo-spheric ozone                                                                                                                                                                                                                       |                        |          |                    |                   |                   |          |                |               |
| ADP-minerals & metals                                                                                                                                                                                                                                                   | kg Sb eq.              | 1.56E-07 | 1.31E-07           | 4.90E-09          | 1.92E-08          | 0.00E+00 | 1.14E-09       | -             |
| ADP-fossil                                                                                                                                                                                                                                                              | MJ                     | 2.22E+00 | 2.14E+00           | 3.33E-02          | 4.70E-02          | 0.00E+00 | 6.28E-03       | -             |
| ADP-minerals & metals = Abiotic depletion potential for non-fossil resources<br>ADP-fossil = Abiotic depletion for fossil resources potential                                                                                                                           |                        |          |                    |                   |                   |          |                |               |
| WDP                                                                                                                                                                                                                                                                     | m <sup>3</sup> e depr. | 4.39E-02 | 4.25E-02           | 1.15E-04          | 1.24E-03          | 0.00E+00 | 4.63E-05       | -             |
| WDP = Water Deprivation potential                                                                                                                                                                                                                                       |                        |          |                    |                   |                   |          |                |               |

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## Common base of mandatory indicators

### Inventory flows indicator – Resource use indicators

| Indicator                                                                                                          | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of<br>life | Bene-<br>fits |
|--------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|-------------------|-------------------|----------|-------------------|---------------|
| PERE                                                                                                               | MJ   | 2.38E-01 | 2.29E-01           | 4.24E-04          | 8.32E-03          | 0.00E+00 | 2.50E-04          | -             |
| PERM                                                                                                               | MJ   | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| PERT                                                                                                               | MJ   | 2.38E-01 | 2.29E-01           | 4.24E-04          | 8.32E-03          | 0.00E+00 | 2.50E-04          | -             |
| PENRE                                                                                                              | MJ   | 2.22E+00 | 2.14E+00           | 3.33E-02          | 4.70E-02          | 0.00E+00 | 6.28E-03          | -             |
| PENRM                                                                                                              | MJ   | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| PENRT                                                                                                              | MJ   | 2.22E+00 | 2.14E+00           | 3.33E-02          | 4.70E-02          | 0.00E+00 | 6.28E-03          | -             |
| PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials          |      |          |                    |                   |                   |          |                   |               |
| PERM = Use of renewable primary energy resources used as raw materials                                             |      |          |                    |                   |                   |          |                   |               |
| PERT = Total Use of renewable primary energy resources                                                             |      |          |                    |                   |                   |          |                   |               |
| PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials |      |          |                    |                   |                   |          |                   |               |
| PENRM = Use of non-renewable primary energy resources used as raw materials                                        |      |          |                    |                   |                   |          |                   |               |
| PENRT = Total Use of non-renewable primary energy re-sources)                                                      |      |          |                    |                   |                   |          |                   |               |

### Inventory flows indicator – Indicators describing the use of secondary materials, water, and energy re-sources

| Indicator                                   | Unit           | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of<br>life | Bene-<br>fits |
|---------------------------------------------|----------------|----------|--------------------|-------------------|-------------------|----------|-------------------|---------------|
| SM                                          | kg             | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| RSF                                         | MJ             | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| NRSF                                        | MJ             | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| FW                                          | m <sup>3</sup> | 1.21E-03 | 1.15E-03           | 3.96E-06          | 4.67E-05          | 0.00E+00 | 5.80E-06          | -             |
| SM = Use of secondary material              |                |          |                    |                   |                   |          |                   |               |
| RSF = Use of renewable secondary fuels      |                |          |                    |                   |                   |          |                   |               |
| NRSF = Use of non-renewable secondary fuels |                |          |                    |                   |                   |          |                   |               |
| FW = Use of net fresh water                 |                |          |                    |                   |                   |          |                   |               |

### Inventory flows indicator – Waste category indicators

| Indicator                     | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of<br>life | Bene-<br>fits |
|-------------------------------|------|----------|--------------------|-------------------|-------------------|----------|-------------------|---------------|
| Hazardous waste disposed      | kg   | 6.03E-07 | 4.49E-07           | 8.05E-08          | 6.21E-08          | 0.00E+00 | 1.14E-08          | -             |
| Non- hazardous waste disposed | kg   | 2.66E-02 | 6.03E-03           | 3.12E-03          | 1.47E-03          | 0.00E+00 | 1.60E-02          | -             |
| Radioactive waste disposed    | kg   | 1.82E-06 | 1.46E-06           | 2.25E-07          | 9.11E-08          | 0.00E+00 | 4.04E-08          | -             |

|          |                |                      |      |       |      |
|----------|----------------|----------------------|------|-------|------|
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## Common base of mandatory indicators

### Inventory flows indicator – Output flow indicators

| Indicator                     | Unit | Total    | Manu-<br>facturing | Distri-<br>bution | Instal-<br>lation | Use      | End<br>of<br>life | Bene-<br>fits |
|-------------------------------|------|----------|--------------------|-------------------|-------------------|----------|-------------------|---------------|
| Components for re-use         | kg   | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| Materials for recycling       | kg   | 7.17E-03 | 6.00E-04           | 0.00E+00          | 6.57E-03          | 0.00E+00 | 0.00E+00          | -             |
| Materials for energy recovery | kg   | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |
| Exported energy               | MJ   | 0.00E+00 | 0.00E+00           | 0.00E+00          | 0.00E+00          | 0.00E+00 | 0.00E+00          | -             |

### Inventory flow indicator – other indicators

| Indicator                                           | Unit    | Total    |
|-----------------------------------------------------|---------|----------|
| Biogenic carbon content of the product              | kg of C | 0.00E+00 |
| Biogenic carbon content of the associated packaging | kg of C | 4.46E-03 |

|          |                |                      |      |       |      |
|----------|----------------|----------------------|------|-------|------|
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For other products than the Reference product covered by this PEP, the environmental impacts for each phase of the lifecycle are obtained by multiplying the values of the Reference product by the following coefficients:

\* if the coefficient is "1", the impacts of the phase of the life cycle are assimilated to the Reference product, meaning that the impacts are unchanged in comparison to the Reference product

[illegible]

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|                                                                                                                          |                                      |                            |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| Registration number:                                                                                                     | Drafting Rules:                      | PCR-ed4-EN-2021 09 06      |
| ABBG-00159-V01.01-EN                                                                                                     | Supplemented by:                     | PSR-0005-ed2-EN-2016 03 29 |
| Verifier accreditation number:                                                                                           | Information and reference documents: |                            |
| VH32                                                                                                                     | www.pep-ecopassport.org              |                            |
| Date of issue:                                                                                                           | 08/2023                              | Validity period: 5 years   |
| Independent verification of the declaration and data, in compliance with ISO 14025: 2006                                 |                                      |                            |
| Internal <input type="radio"/> External <input checked="" type="radio"/>                                                 |                                      |                            |
| The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)                                    |                                      |                            |
| PEP are compliant with XP C08-100-1: 2016 or EN 50693:2019                                                               |                                      |                            |
| The elements of the present PEP cannot be compared with elements from another program                                    |                                      |                            |
| Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations" |                                      |                            |



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## Environmental Impact Indicator Glossary

### Impact indicators

| Indicator                                            | Description                                                                                                                                                                                                                                                                               | Unit                                 |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Global warming potential (GWP) - total               | Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. The total global warming potential (GWP-total) is the sum of three sub-categories of climate change.<br>GWP-total = GWP-fossil + GWP-biogenic + GWP- land use and land use change | kg CO <sub>2</sub> eq.               |
| Ozone depletion (ODP)                                | Emissions to air that contribute to the destruction of the stratospheric ozone layer                                                                                                                                                                                                      | kg CFC-11 eq.                        |
| Acidification of soil and water (A)                  | Acidification of soils and water caused by the release of certain gases to the atmosphere, such as nitrogen oxides and sulphur oxides                                                                                                                                                     | H+ eq.                               |
| Eutrophication (E)                                   | Indicator of the contribution to eutrophication of water by the enrichment of the aquatic ecosystem with nutritional elements, e.g. industrial or domestic effluents, agriculture, etc. This indicator is divided to three: freshwater, marine and terrestrial.                           | kg P eq.,<br>kg N eq.,<br>mole N eq. |
| Photochemical ozone creation (POCP)                  | Indicator of emissions of gases that affect the creation of photochemical ozone in the lower atmosphere (smog) because of the rays of the sun.                                                                                                                                            | kg NMVOC eq.                         |
| Depletion of abiotic resources – elements (ADPe)     | Indicator of the depletion of natural non-fossil resources                                                                                                                                                                                                                                | kg Sb eq.                            |
| Depletion of abiotic resources – fossil fuels (ADPf) | The use of non-renewable fossil resources in an unsustainable way (e.g. from material to waste)                                                                                                                                                                                           | MJ (lower heating value)             |
| Water Deprivation potential (WDP)                    | Deprivation-weighted water consumption. Assesses the potential of water deprivation, to either humans or ecosystems, building on the assumption that the less water remaining available per area, the more likely another user will be deprived.                                          | m <sup>3</sup> e depr.               |

### Resource use indicators

| Indicator                   | Description                                                                                                                                                                                                                                    | Unit                     |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Total use of primary energy | Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) + Total use of renewable primary energy re-sources (primary energy and primary energy resources used as raw materials) | MJ (lower heating value) |

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## EU Declaration of Conformity

EU Konformitätserklärung

**This declaration of conformity is issued under the sole responsibility of the manufacturer /**

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller

**Manufacturer / Hersteller:**

|                               |
|-------------------------------|
| <b>ABB AG – BUSCH-JAEGER</b>  |
| <b>Freisenbergstraße 2</b>    |
| <b>DE - 58513 Lüdenscheid</b> |

**Object of declaration / Gegenstand der Erklärung:**

|                 |               |
|-----------------|---------------|
| 20 EUC-84       | Socket Outlet |
| 2CKA002011A3725 | Steckd. SF    |

**The object of this declaration is in conformity with the relevant Union harmonisation legislation /**

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union

RoHS- Richtlinie 2011/65/EU

RoHS- Directive 2011/65/EU

**References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared /**

Angabe der einschlägigen harmonisierten Normen, die zugrunde gelegt wurden, oder Angabe der anderen technischen Spezifikationen, in Bezug auf die die Konformität erklärt wird:

EN IEC 63000:2018

**Signed for and on behalf of / Unterzeichnet für und im Namen von**

**ABB AG – BUSCH-JAEGER**

**Lüdenscheid, 01.09.2025**



Dirk Kueckelhaus

Authorized CE representative



Carsten Cyfka

Home Solutions Quality Management



Sehr geehrte Damen und Herren,

die REACH – Verordnung EG Nr.1907/2006 fordert die Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (**Registration, Evaluation, Authorization of Chemicals**).

Diese Verordnung beruht auf dem Grundsatz, dass Hersteller, Importeure und nachgeschaltete Anwender sicherstellen müssen, dass sie Stoffe herstellen, in Verkehr bringen und verwenden, die menschliche Gesundheit oder die Umwelt nicht nachteilig beeinflussen. Zweck der Verordnung ist unter anderem, ein hohes Schutzniveau für die menschliche Gesundheit und für die Umwelt sicherzustellen, einschließlich der Förderung aller alternativen Beurteilungsmethoden für von Stoffen ausgehende Gefahren, sowie den freien Verkehr von Stoffen im Binnenmarkt zu gewährleisten. Die REACH – Verordnung liegt uns stets in der aktuell gültigen Fassung mit den entsprechenden Anhängen vor und jede Änderung wird auf ihre Relevanz geprüft. Die obige Verordnung liegt derzeit in der Berichtigung vom 05.02.2009 (ABl. L36/84) vor.

Die Busch-Jaeger Elektro GmbH liefert elektrotechnische Produkte, die keine Stoffe oder Zubereitungen im Sinne der Verordnung darstellen. Demnach ist die Erstellung von Sicherheitsdatenblättern für unsere Produkte nach dieser Verordnung nicht erforderlich. Als „nachgeschalteter Anwender“ im Sinne des Art.3 Abs.12 der Verordnung achten wir darauf, dass die bei uns eingesetzten Stoffe und Zubereitungen – soweit vom Anwendungsbereich umfasst – gemäß REACH-Verordnung registriert sind. Auch unsere Lieferanten sind nach vorgenannter Verordnung verpflichtet, uns hinsichtlich etwaiger Inhaltsstoffe, welche als meldepflichtig in der jeweiligen aktuellen Liste der möglicherweise gefährlichen Substanzen (SVHC – **S**ubstances of **V**ery **H**igh **C**oncern) aufgeführt sind, zu informieren. Sofern wir eine diesbezügliche Information von unseren Lieferanten erhalten und dadurch Kenntnis erlangen, dass damit auch in unseren Produkten die 0,1 Massenprozentschwelle für einen SVHC-Stoff überschritten wird, werden wir diese Erklärung aktualisieren. Zur Steigerung Ihres Schutzes als Kunde fordert die Busch-Jaeger Elektro GmbH proaktiv und aus eigenem Antrieb alle ihre Lieferanten in regelmäßigen Abständen auf, über den etwaigen Einsatz solcher Inhaltsstoffe Auskunft zu geben.

Diese Erklärung basiert auf der aktuellen Liste der für eine Zulassung in Frage kommenden besonders besorgniserregenden Stoffe (SVHC – **S**ubstances of **V**ery **H**igh **C**oncern), veröffentlicht gemäß Artikel 59 Absatz 10 der REACH-Verordnung auf der ECHA Website.

Informationen bezüglich der uns von unseren Lieferanten gemeldeten SVHC-Stoffe können dem Anhang dieses Schreibens entnommen werden. Zusätzlich können Sie aktuelle Informationen zum Themenfeld Material Compliance in der Lieferkette jederzeit auf dieser Seite erhalten: <https://new.abb.com/about/supplying/material-compliance>.

**Der Einsatz dieser Stoffe in unseren Produkten entspricht den geltenden Bestimmungen. Bei bestimmungsgemäßem Gebrauch besteht keine Gefahr für Gesundheit oder Umwelt. Sicherheitshinweise sind daher nicht erforderlich.**

**Busch-Jaeger Elektro GmbH,  
Lüdenscheid, 08.04.2024**

**i.V. Manfred Lange**

**Head of Product Compliance & Sustainability**

Leiter Produkt Konformität und Nachhaltigkeit

**i.V. Stephan Roentgen**

**Local Sustainability Officer**

Lokaler Nachhaltigkeitsbeauftragter

# Erklärung zur REACH-Verordnung : Anhang I

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## SVHC: 1,2-dimethoxyethane; ethylene glycol dimethyl ether, CAS: 110-71-4

|                 |                          |
|-----------------|--------------------------|
| 2CKA006200A0067 | Windowcontact Handle     |
| 2CKA006200A0068 | Windowcontact Magnet     |
| 2CKA006200A0070 | Windowcontact Magnet     |
| 2CKA006200A0101 | Windowcontact Handle     |
| 2CKA006200A0102 | Windowcontact Magnet     |
| 2CKA006200A0104 | WL-UNIVERSALMELDER       |
| 2CKA006200A0141 | WL-FENSTERMELDER         |
| 2CKA006200A0069 | WL-Fenstermelder         |
| 2CKA006200A0103 | WL-Fenstermelder         |
| 2CKA006200A0142 | WL-Fenstermelder         |
| 2CKA006700A0031 | Busch-Watchdog 220° Wave |
| 2CKA006700A0032 | Busch-Watchdog 220° Wave |
| 2CKA006700A0033 | Busch-Watchdog 220° Wave |
| 2CKA006700A0034 | Busch-Watchdog 220° Wave |
| 2CKA006700A0035 | Busch-Watchdog 220° Wave |
| 2CKA006700A0036 | Busch-Watchdog 220° Wave |
| 2CKA006700A0037 | Busch-Watchdog 220° Wave |
| 2CKA006700A0038 | Busch-Watchdog 220° Wave |

## SVHC: Cobalt (II) diacetate, CAS: 71-48-7

|                 |                    |
|-----------------|--------------------|
| 2CKA006710A0025 | BT relay pill      |
| 2CKA006710A0027 | BT relay pill, x10 |

## SVHC: Decamethylcyclopentasiloxane, CAS: 541-02-6

|                 |                              |
|-----------------|------------------------------|
| 2CKA001710A3406 | Intermediate Ring for Triton |
| 2CKA001710A3409 | Intermediate Ring for Triton |
| 2CKA002018A0350 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A0351 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A0695 | SCHUKO-STECKD. ALPHA BJ      |
| 2CKA002018A0992 | Socket Outlet                |
| 2CKA002018A1040 | Socket Outlet                |
| 2CKA002018A1446 | Socket Outlet                |
| 2CKA002018A1465 | Socket Outlet                |
| 2CKA002018A1466 | Socket Outlet                |
| 2CKA002018A1467 | Socket Outlet                |

|                 |                             |
|-----------------|-----------------------------|
| 2CKA002018A1486 | Socket Outlet               |
| 2CKA002018A1488 | Socket Outlet               |
| 2CKA002018A1499 | SCHUKO® STECKDOSEN-EINSATZ  |
| 2CKA002018A1500 | SCHUKO® STECKDOSEN-EINSATZ  |
| 2CKA002018A1509 | Socket Outlet               |
| 2CKA002018A1517 | SCHUKO®-STD EBS KL          |
| 2CKA002018A1518 | SCHUKO®-STD EBS KL          |
| 2CKA002018A1520 | SCHUKO®-STD EBS KL          |
| 2CKA002018A1526 | SCHUKO®-STD EBS KD OS       |
| 2CKA002018A1527 | SCHUKO®-STD EBS KD OS       |
| 2CKA002018A1529 | SCHUKO®-STD EBS KD OS       |
| 2CKA002064A0286 | SO AW 44, lid               |
| 2CKA002064A0287 | SO AW 44, lid               |
| 2CKA002064A0288 | SO AW 44, lid               |
| 2CKA002064A0289 | SO AW 44, lid               |
| 2CKA002064A0290 | SO AW 44, lid               |
| 2CKA002064A0291 | SO AW 44, shutter, lid      |
| 2CKA002064A0292 | SO AW 44, shutter, lid      |
| 2CKA002064A0293 | SO AW 44, shutter, lid      |
| 2CKA002064A0294 | SO AW 44, shutter, lid      |
| 2CKA002064A0295 | SO AW 44, shutter, lid      |
| 2CKA002064A0297 | SO AW 44, ZSV, shutter, lid |
| 2CKA002064A0298 | SO AW 44, shutter, LF, lid  |
| 2CKA002064A0299 | SO AW 44, shutter, LF, lid  |
| 2CKA002064A0300 | SO AW 44, shutter, LF, lid  |
| 2CKA002064A0301 | SO AW 44, shutter, LF, lid  |
| 2CKA002064A0302 | SO AW 44, shutter, LF, lid  |
| 2CKA002064A0306 | SO AW 44, lid, w/ cl        |
| 2CKA002064A0307 | SO AW 44, lid, w/ cl        |
| 2CKA002064A0309 | STECKD. AW44 DECKEL         |
| 2CKA002064A0310 | SO AW 44, lid               |
| 2CKA002064A0311 | SO AW 44, SV, shutter, lid  |

## SVHC: Diboron trioxide, CAS: 1303-86-2

|                 |                            |
|-----------------|----------------------------|
| 2CKA006220A0007 | Busch-free@home Panel 4.3" |
| 2CKA006220A0008 | Busch-free@home Panel 4.3" |
| 2CKA006220A0119 | ABB-FREE@HOMETOUCH 4.3"    |
| 2CKA006220A0120 | ABB-FREE@HOMETOUCH 4.3"    |

## SVHC: Dodecamethylcyclohexasiloxane, CAS: 540-97-6

|                 |                              |
|-----------------|------------------------------|
| 2CKA001710A3406 | Intermediate Ring for Triton |
|-----------------|------------------------------|

# Erklärung zur REACH-Verordnung : Anhang I

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|                 |                              |
|-----------------|------------------------------|
| 2CKA001710A3409 | Intermediate Ring for Triton |
| 2CKA002018A0350 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A0351 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A0695 | SCHUKO-STECKD. ALPHA BJ      |
| 2CKA002018A0992 | Socket Outlet                |
| 2CKA002018A1040 | Socket Outlet                |
| 2CKA002018A1446 | Socket Outlet                |
| 2CKA002018A1465 | Socket Outlet                |
| 2CKA002018A1466 | Socket Outlet                |
| 2CKA002018A1467 | Socket Outlet                |
| 2CKA002018A1486 | Socket Outlet                |
| 2CKA002018A1488 | Socket Outlet                |
| 2CKA002018A1499 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A1500 | SCHUKO® STECKDOSEN-EINSATZ   |
| 2CKA002018A1509 | Socket Outlet                |
| 2CKA002018A1517 | SCHUKO®-STD EBS KL           |
| 2CKA002018A1518 | SCHUKO®-STD EBS KL           |
| 2CKA002018A1520 | SCHUKO®-STD EBS KL           |
| 2CKA002018A1526 | SCHUKO®-STD EBS KD OS        |
| 2CKA002018A1527 | SCHUKO®-STD EBS KD OS        |
| 2CKA002018A1529 | SCHUKO®-STD EBS KD OS        |
| 2CKA002064A0286 | SO AW 44, lid                |
| 2CKA002064A0287 | SO AW 44, lid                |
| 2CKA002064A0288 | SO AW 44, lid                |
| 2CKA002064A0289 | SO AW 44, lid                |
| 2CKA002064A0290 | SO AW 44, lid                |
| 2CKA002064A0291 | SO AW 44, shutter, lid       |
| 2CKA002064A0292 | SO AW 44, shutter, lid       |
| 2CKA002064A0293 | SO AW 44, shutter, lid       |
| 2CKA002064A0294 | SO AW 44, shutter, lid       |
| 2CKA002064A0295 | SO AW 44, shutter, lid       |
| 2CKA002064A0297 | SO AW 44, ZSV,shutter, lid   |
| 2CKA002064A0298 | SO AW 44, shutter, LF,lid    |
| 2CKA002064A0299 | SO AW 44, shutter, LF,lid    |
| 2CKA002064A0300 | SO AW 44, shutter, LF,lid    |
| 2CKA002064A0301 | SO AW 44, shutter, LF,lid    |
| 2CKA002064A0302 | SO AW 44, shutter, LF,lid    |
| 2CKA002064A0306 | SO AW 44, lid, w/ cl         |
| 2CKA002064A0307 | SO AW 44, lid, w/ cl         |
| 2CKA002064A0309 | STECKD. AW44 DECKEL          |
| 2CKA002064A0310 | SO AW 44, lid                |
| 2CKA002064A0311 | SO AW 44, SV, shutter, lid   |

**SVHC: Ethylenediamine [EDA], CAS: 107-15-3**

|                 |                             |
|-----------------|-----------------------------|
| 2CKA001710A3748 | Cover Plate, turning handle |
| 2CKA001710A3757 | Cover Plate Card Switch     |
| 2CKA001710A3758 | Cover Plate                 |
| 2CKA001710A3759 | Cover Plate                 |
| 2CKA001710A3771 | Central disk/turning gras   |
| 2CKA001710A3812 | Cover Plate, turning handle |
| 2CKA001751A2958 | Rocker "Light"              |
| 2CKA001751A2959 | Rocker "Bell"               |
| 2CKA001751A2960 | Rocker "Door"               |
| 2CKA001751A2961 | Rocker                      |
| 2CKA001751A2963 | Rocker"Heizung-Notschalter" |
| 2CKA001751A2964 | Rocker                      |
| 2CKA001751A2996 | Rocker                      |
| 2CKA001751A3002 | Rocker                      |
| 2CKA001751A3162 | rocker indicator plug       |
| 2CKA001751A3181 | Rocker                      |
| 2CKA001751A3191 | Rocker                      |
| 2CKA001751A3200 | Rocker                      |
| 2CKA001751A3216 | Rocker DND/MUR              |
| 2CKA002013A5277 | Socket Outlet               |
| 2CKA006599A2927 | Dimmer Control Cover        |

**SVHC: Lead, CAS: 7439-92-1**

|                 |                           |
|-----------------|---------------------------|
| 2CKA001012A1085 | SERIENSCHALTER UP         |
| 2CKA001012A1135 | SERIENSCHALTER UP M.GL    |
| 2CKA001012A1150 | SERIENSCHALTER UP         |
| 2CKA001012A1309 | JAL.-SCHALTER UP          |
| 2CKA001012A1606 | WIPPSCH.-EINS.UP F.SERIEN |
| 2CKA001012A2108 | SERIENSCHALTER            |
| 2CKA001012A2140 | JALOUSIESCHALTER 1-POLIG  |
| 2CKA001012A2141 | SERIENSCHALTER            |
| 2CKA001012A2147 | JALOUSIESCHALTER 1-POL.   |
| 2CKA001012A2148 | SERIENSCHALTER            |
| 2CKA001012A2154 | SERIENSCHALTER            |
| 2CKA001012A2157 | SERIENSCHALTER            |
| 2CKA001012A2166 | JALOUSIESCHALTER 1-POLIG  |
| 2CKA001012A2167 | SERIENSCHALTER            |
| 2CKA001012A2176 | JALOUSIESCHALTER 1-POL.   |
| 2CKA001012A2177 | SERIENSCHALTER            |
| 2CKA001012A2187 | SERIENSCHALTER            |
| 2CKA001012A2188 | SERIENSCHALTER            |
| 2CKA001012A2197 | JAL.-SCHALTER UP          |
| 2CKA001012A2237 | SCHALTER UP SERIENKONTR.  |
| 2CKA001084A0797 | Switch, SM                |
| 2CKA001084A0805 | KREUZSCHALTER AP WDI      |
| 2CKA001084A0821 | AUSSCHALTER AP 2POL. WDI  |



## Erklärung zur REACH-Verordnung : Anhang I

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|                 |                             |
|-----------------|-----------------------------|
| 2CKA001084A0839 | SERIENSCHALTER AP WDI       |
| 2CKA001084A0854 | KONTR. WECHSELSCH. AP WDI   |
| 2CKA001085A1603 | Switch, ocean               |
| 2CKA001085A1604 | KREUZSCH. OC 10A 1P         |
| 2CKA001085A1605 | AUSSCH. OC 10A 2P           |
| 2CKA001085A1606 | SERIENSCH. OC 10A 1P        |
| 2CKA001085A1607 | K-WECHSELSCH. OC 10A 1P     |
| 2CKA001085A1609 | K-WECHSELSCH. OC H-NOTSCH.  |
| 2CKA001085A1610 | AUSSCH. OC H-NOTSCH.        |
| 2CKA001085A1611 | Switch, SM                  |
| 2CKA001085A1612 | Blind Switch, SM            |
| 2CKA001085A1613 | Switch, SM                  |
| 2CKA001085A1614 | Rocker Sw. oc 10A 1P        |
| 2CKA001085A1615 | KREUZSCH. OC 10A 1P         |
| 2CKA001085A1616 | AUSSCH. OC 10A 2P           |
| 2CKA001085A1617 | Rocker Sw. Series oc 10A 1P |
| 2CKA001085A1618 | K-WECHSELSCH. OC 10A 1P     |
| 2CKA001085A1619 | K-WECHSELSCH. OC 10A 2P     |
| 2CKA001085A1620 | Intermediate Switch, SM     |
| 2CKA001085A1621 | SERIENSCHALTER              |
| 2CKA001085A1622 | Switch, SM                  |
| 2CKA001085A1623 | AUSSCHALTER / KONTROLL      |
| 2CKA001085A1624 | Switch, SM                  |
| 2CKA001085A1625 | JALOUSIESCHALTER            |
| 2CKA001085A1626 | Switch, SM                  |
| 2CKA001085A1627 | AUSSCHALTER                 |
| 2CKA001085A1628 | Switch, SM                  |
| 2CKA001085A1631 | Switch, SM                  |
| 2CKA001085A1632 | WECHSELSCHALTER             |
| 2CKA001085A1633 | Switch, SM                  |
| 2CKA001085A1635 | Switch, SM                  |
| 2CKA001085A1637 | Switch, ocean               |
| 2CKA001101A0916 | Blind Switch Insert         |
| 2CKA001101A0917 | Key Switch Insert           |
| 2CKA001101A0924 | Blind Switch Insert         |
| 2CKA001101A0925 | Key Switch Insert           |
| 2CKA001383A0141 | Pull Switch, SM             |
| 2CKA001383A0142 | Pull Switch oc 10A 1P       |
| 2CKA001383A0143 | ZUGWECHSELSCHALTER          |
| 2CKA001413A0491 | TASTER UP                   |
| 2CKA001413A0509 | TASTER UP                   |
| 2CKA001413A0590 | JALOUSIETASTER UP           |
| 2CKA001413A1082 | JALOUSIETASTER 1-POLIG      |
| 2CKA001413A1085 | JALOUSIETASTER 1-POL.       |
| 2CKA001413A1094 | JALOUSIETASTER 1-POLIG      |
| 2CKA001413A1098 | JALOUSIETASTER 1-POL.       |
| 2CKA001413A1103 | JALOUSIETASTER UP           |

|                 |                               |
|-----------------|-------------------------------|
| 2CKA001413A1105 | TASTER UP                     |
| 2CKA001442A0469 | Blind Switch , ocean          |
| 2CKA001442A0474 | JALOUSIETASTER                |
| 2CKA001483A0171 | Switch , SM                   |
| 2CKA001484A0054 | Push Switch, SM               |
| 2CKA001484A0370 | Push Switch, ocean            |
| 2CKA001484A0371 | Push Switch, ocean            |
| 2CKA001484A0373 | Push Switch, ocean            |
| 2CKA001484A0374 | D-TASTER, 2 SCHLIESSER OC     |
| 2CKA001484A0376 | Retrac. Switch oc 10A 1P      |
| 2CKA001484A0377 | Switch, SM                    |
| 2CKA001484A0378 | Switch, SM                    |
| 2CKA001484A0379 | DOPPELTASTER, 2 SCHLIEßER     |
| 2CKA001484A0380 | Push Switch, SM               |
| 2CKA001484A0381 | Push Switch, illuminated      |
| 2CKA001484A0382 | Push Switch, ocean            |
| 2CKA001511A0115 | LICHTSIGNAL EINSATZ           |
| 2CKA001582A0305 | L-SIGNAL OC O. HAUBE          |
| 2CKA001582A0328 | LICHTSIGNAL                   |
| 2CKA001684A0316 | Comb.Switch/Socket Outlet, oc |
| 2CKA001684A0319 | Comb. oc Switch/Socket Outl.  |
| 2CKA001684A0324 | Comb.Switch/Socket Outlet, oc |
| 2CKA001684A0327 | Comb.Switch/Socket Outlet, oc |
| 2CKA001684A0328 | Comb.Switch/Socket Outlet, oc |
| 2CKA001684A0329 | KOMBINATION / WECHSELSCHALTER |
| 2CKA001684A0330 | Comb.Switch/Socket Outlet, oc |
| 2CKA001684A0331 | Comb.Switch/Socket Outlet, oc |
| 2CKA001710A1829 | C-SCH. AW44 PZ                |
| 2CKA001710A1837 | C-SCH. AW44 SCHLUESSELSCH.    |
| 2CKA001710A1894 | C-SCH. AW44 PZ                |
| 2CKA001710A1902 | C-SCH. AW44 SCHLUESSELSCH.    |
| 2CKA001710A2249 | Cover Plate                   |
| 2CKA001710A3803 | C-SCH. AW44 PZ                |
| 2CKA001710A3804 | C-SCH. AW44 PZ                |
| 2CKA001710A3806 | C-SCH. AW44 SCHLUESSELSCH.    |
| 2CKA001724A2751 | Box Plug Connector            |
| 2CKA001724A2752 | GEHÄUSE BEFEHLSG. OCEAN       |
| 2CKA001724A2753 | GEHÄUSE BEFEHLSG. OCEAN       |
| 2CKA001724A4264 | Cable Entry                   |
| 2CKA001724A4281 | GEHÄUSE                       |
| 2CKA001724A4282 | GEHÄUSE, GELB                 |
| 2CKA002017A0762 | Socket Outlet, SM             |



**Erklärung zur REACH-Verordnung : Anhang I**

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|-----------------|------------------------------|
| 2CKA002017A0763 | Socket Outlet, SM            |
| 2CKA002017A0842 | Socket Outlet, SM            |
| 2CKA002017A0849 | Socket Outlet, SM            |
| 2CKA002018A1222 | Socket Outlet                |
| 2CKA002018A1289 | Socket Outlet                |
| 2CKA002018A1474 | Socket Outlet                |
| 2CKA002018A1479 | Socket Outlet                |
| 2CKA002018A1513 | SCHUKO® so lid diff.         |
| 2CKA002018A1514 | SCHUKO® so lid even          |
| 2CKA002018A1555 | SCHUKO®-STD EBS KD BES SLV   |
| 2CKA002018A1556 | SCHUKO®-STD EBS KD BES SLG   |
| 2CKA002018A1558 | SCHUKO® so lid diff.         |
| 2CKA002018A1563 | SCHUKO®-STD EBS KD BES SLV   |
| 2CKA002018A1564 | SCHUKO®-STD EBS KD BES SLG   |
| 2CKA002083A0343 | SCHUKO-STECKDOSE AP WDI      |
| 2CKA002083A0368 | SCHUKO-STECKDOSE AP          |
| 2CKA002083A0816 | 2 STECKD. OC GLEICHE SCHL.   |
| 2CKA002083A0817 | Socket Outlet, ocean         |
| 2CKA002083A0818 | Socket Outlet, SM            |
| 2CKA002083A0819 | Socket Outlet, market SV, SM |
| 2CKA002083A0820 | Socket Outlet, marked ZSV    |
| 2CKA002083A0822 | Socket Outlet, SM            |
| 2CKA002083A0823 | Socket Outlet, SM            |
| 2CKA002083A0825 | Socket Outlet, marked EDV    |
| 2CKA002083A0827 | Socket Outl. oc 10/16A, 250V |
| 2CKA002083A0831 | SCHUKO® STECKDOSE            |
| 2CKA002083A0832 | SCHUKO® STECKDOSE            |
| 2CKA002083A0833 | SCHUKO® STECKDOSE            |
| 2CKA002083A0834 | SCHUKO® STECKDOSE            |
| 2CKA002083A0836 | 2 SCHUKO® STECKDOSEN         |
| 2CKA002083A0837 | SCHUKO® STECKDOSE            |
| 2CKA002083A0838 | SCHUKO® STECKDOSE            |
| 2CKA002083A0839 | SCHUKO® STECKDOSE            |
| 2CKA002083A0840 | SCHUKO® plug socket          |
| 2CKA002083A0842 | SCHUKO® STECKDOSE            |
| 2CKA002083A0843 | SCHUKO® STECKDOSE            |
| 2CKA002083A0845 | Socket Outlet, ocean         |
| 2CKA002083A0846 | SCHUKO® STECKDOSE            |
| 2CKA002083A0848 | Socket Outlet, SM            |
| 2CKA002084A0698 | DREIFACHSTECKDOSE OCEAN      |
| 2CKA002084A0699 | D-STECKD. OC                 |
| 2CKA002084A0700 | D-STECKD. OC EDV             |
| 2CKA002084A0701 | Socket Outlet, ocean         |
| 2CKA002084A0702 | Double Socket Outlet, SM     |
| 2CKA002084A0703 | D-STECKD. OC BEL.            |
| 2CKA002084A0704 | DREIFACHSTECKD. OCEAN BEL.   |
| 2CKA002084A0705 | D-STECKD. OC 10/16A, 2P      |

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| 2CKA002084A0706 | Socket Outl. oc 10/16A, 2g      |
| 2CKA002084A0710 | Double Socket Outlet, SM        |
| 2CKA002084A0711 | Double Socket Outlet, SM        |
| 2CKA002084A0712 | SCHUKO®<br>DREIFACHSTECKDOSE    |
| 2CKA002084A0713 | Double Socket Outlet, SM        |
| 2CKA002084A0714 | Double Socket Outlet, SM        |
| 2CKA002084A0715 | Double Socket Outlet, SM        |
| 2CKA002084A0716 | SCHUKO®<br>DREIFACHSTECKDOSE    |
| 2CKA002084A0717 | SCHUKO® DOPPELSTECKDOSE         |
| 2CKA002084A0718 | SCHUKO® Double Socket<br>Outlet |
| 2CKA002084A0719 | SCHUKO® ZWEIFACHSTECKD.         |
| 2CKA002084A0720 | SCHUKO® DOPPELSTECKDOSE         |
| 2CKA002084A0721 | SCHUKO® DREIFACHSTECKD.         |
| 2CKA002084A0722 | SCHUKO® ZWEIFACHSTECKD.         |
| 2CKA002084A0723 | SCHUKO® DOPPELSTECKDOSE         |
| 2CKA002084A0724 | SCHUKO®<br>DREIFACHSTECKDOSE    |
| 2CKA002084A0725 | Socket Outlet, 3gang, SM        |
| 2CKA002084A0726 | Socket Outlet, ocean            |
| 2CKA002084A0727 | Double Socket Outlet, SM        |
| 2CKA002084A0729 | ZWEIF.-STECKD. OC               |
| 2CKA002124A0023 | Euro-American Socket Outlet     |
| 2CKA002124A0026 | Socket Outlet, NEMA, ocean      |
| 2CKA005210A0032 | TASTERANKOPPLUNG 1-F<br>(CMC)   |
| 2CKA005210A0033 | TASTERANKOPPLUNG 2-F<br>(CMC)   |
| 2CKA005210A0040 | KNX Präsenz Normal W            |
| 2CKA005210A0041 | KNX PRÄSENZ MINI PRE W          |
| 2CKA006115A0443 | BEDIENELEMENT 1/2FACH           |
| 2CKA006115A0444 | BEDIENELEMENT 1/2FACH           |
| 2CKA006116A0218 | BEDIENELEMENT 2/4FACH           |
| 2CKA006116A0219 | BEDIENELEMENT 2/4FACH           |
| 2CKA006118A0104 | BEDIENELEMENT 3/6FACH           |
| 2CKA006118A0105 | BEDIENELEMENT 3/6FACH           |
| 2CKA006118A0107 | BEDIENELEMENT 3/6FACH IR        |
| 2CKA006120A0071 | POWER-BUSANKOPPLER, UP          |
| 2CKA006120A0072 | POWER-BUSANKOPPLER, UP          |
| 2CKA006120A0073 | Power bus coupler, FM           |
| 2CKA006131A0056 | KNX PRÄSENZ NORMAL WS           |
| 2CKA006131A0057 | KNX PRÄSENZ PREMIUM WS          |
| 2CKA006132A0306 | BUSCH WÄCHTER 180° KNX          |
| 2CKA006132A0311 | BUSCH-WÄCHTER® 220° KNX         |
| 2CKA006132A0312 | BUSCH-WÄCHTER® 220° KNX         |
| 2CKA006132A0313 | BUSCH-WÄCHTER® 220° KNX         |

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| 2CKA006132A0314 | BUSCH-WÄCHTER® 220° KNX    |
| 2CKA006132A0315 | BUSCH-WÄCHTER® 220 KNX PRE |
| 2CKA006132A0316 | BUSCH-WÄCHTER® 220 KNX PRE |
| 2CKA006132A0317 | BUSCH-WÄCHTER® 220 KNX PRE |
| 2CKA006132A0318 | BUSCH-WÄCHTER® 220 KNX PRE |
| 2CKA006132A0329 | KNX PRÄSENZ MINI WS        |
| 2CKA006132A0330 | KNX PRÄSENZ MINI SB        |
| 2CKA006132A0331 | KNX PRÄSENZ MINI PRE WS    |
| 2CKA006132A0332 | KNX PRÄSENZ MINI PRE SB    |
| 2CKA006132A0333 | KNX PRÄSENZ NORMAL WS      |
| 2CKA006132A0334 | KNX PRÄSENZ NORMAL SB      |
| 2CKA006132A0335 | KNX PRÄSENZ PREMIUM WS     |
| 2CKA006132A0336 | KNX PRÄSENZ PREMIUM SB     |
| 2CKA006132A0337 | KNX BEWEGUNGSMELDER SKY WS |
| 2CKA006132A0342 | KNX PRÄSENZ MINI WS        |
| 2CKA006132A0343 | KNX PRÄSENZ MINI SB        |
| 2CKA006132A0344 | KNX PRÄSENZ MINI PRE WS    |
| 2CKA006132A0345 | KNX PRÄSENZ MINI PRE SB    |
| 2CKA006132A0346 | KNX PRÄSENZ NORMAL WS      |
| 2CKA006132A0347 | KNX PRÄSENZ NORMAL SB      |
| 2CKA006132A0348 | KNX PRÄSENZ PREMIUM WS     |
| 2CKA006132A0349 | KNX PRÄSENZ PREMIUM SB     |
| 2CKA006132A0350 | KNX BEWEGUNGSMELDER SKY WS |
| 2CKA006132A0358 | BW-STANDARD                |
| 2CKA006132A0359 | BW-STANDARD                |
| 2CKA006132A0363 | BW-STANDARD                |
| 2CKA006132A0364 | BW-STANDARD                |
| 2CKA006132A0365 | BW-STANDARD                |
| 2CKA006132A0366 | BW-STANDARD                |
| 2CKA006132A0367 | BW-STANDARD                |
| 2CKA006132A0368 | BW-STANDARD                |
| 2CKA006132A0372 | BW-STANDARD                |
| 2CKA006132A0374 | BW-STANDARD                |
| 2CKA006132A0376 | BW-STANDARD                |
| 2CKA006132A0377 | BW-STANDARD                |
| 2CKA006132A0378 | BW-STANDARD                |
| 2CKA006132A0379 | BW-STANDARD                |
| 2CKA006132A0380 | BW-STANDARD                |
| 2CKA006132A0381 | BW-STANDARD                |
| 2CKA006132A0385 | BW-STANDARD                |
| 2CKA006132A0397 | KNX Presence Cor. W        |
| 2CKA006132A0398 | KNX Presence Cor. S        |

|                 |                                 |
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| 2CKA006132A0399 | KNX PRÄSENZ COR. WS             |
| 2CKA006132A0400 | KNX PRÄSENZ COR. SB             |
| 2CKA006132A0411 | KNX Präsenz Cor. Prem. WS       |
| 2CKA006132A0412 | KNX Presence Cor. Prem. S       |
| 2CKA006132A0413 | KNX PRÄSENZ COR. PREM. WS       |
| 2CKA006132A0414 | KNX PRÄSENZ COR. PREM. SB       |
| 2CKA006133A0214 | FM push button coupling 1/2gang |
| 2CKA006133A0215 | FM push button coupling 2/4gang |
| 2CKA006133A0224 | Push-button coupler 2g AP       |
| 2CKA006133A0225 | Push-button coupler 2g AP       |
| 2CKA006133A0226 | Push-button coupler 4g AP       |
| 2CKA006133A0227 | Push-button coupler 4g AP       |
| 2CKA006134A0309 | RAUMTEMPERATURREGLER            |
| 2CKA006134A0310 | THERMOSTATO KNX                 |
| 2CKA006200A0053 | WL-Mov. detector/act. 1g        |
| 2CKA006200A0056 | WL-BEW.MELD./SCHALT. 1-F        |
| 2CKA006200A0058 | WL-Mov. detector/act. 1g        |
| 2CKA006200A0063 | WL-Mov. detector/act. 1g        |
| 2CKA006200A0065 | WL-BEW.MELD./SCHALT. 1-F        |
| 2CKA006200A0083 | WL-BEW.MELD./SCHALT. 1-F        |
| 2CKA006200A0085 | WL-BEW.MELD./SCHALT. 1-F        |
| 2CKA006200A0086 | WL-BEW.MELD./SCHALT. 1-F        |
| 2CKA006200A0117 | WL-BEW.MELD./SCHALT.1-F,44      |
| 2CKA006200A0129 | WL-MovDetect/act. 1g, 44        |
| 2CKA006220A0007 | Busch-free@home Panel 4.3"      |
| 2CKA006220A0008 | Busch-free@home Panel 4.3"      |
| 2CKA006220A0107 | BEWEGUNGSMELDER                 |
| 2CKA006220A0108 | BEWEGUNGSMELDER                 |
| 2CKA006220A0109 | BEWEGUNGSMELDER                 |
| 2CKA006220A0110 | BEWEG.MELD./SCHALTAKT. 1-F      |
| 2CKA006220A0111 | Mov. detector/actuator 1g       |
| 2CKA006220A0112 | BEWEG.MELD./SCHALTAKT. 1-F      |
| 2CKA006220A0113 | Movement detector               |
| 2CKA006220A0114 | BEWEGUNGSMELDER                 |
| 2CKA006220A0116 | BEWEG.MELD./SCHALTAKT. 1-F      |
| 2CKA006220A0119 | ABB-FREE@HOMETOUCH 4.3"         |
| 2CKA006220A0120 | ABB-FREE@HOMETOUCH 4.3"         |
| 2CKA006220A0212 | BEWEGUNGSMELDER                 |
| 2CKA006220A0214 | BEWEGUNGSMELDER                 |
| 2CKA006220A0219 | Movement detector               |
| 2CKA006220A0229 | BEWEGUNGSMELDER , 44X44         |
| 2CKA006220A0231 | BEW.MELD./SCHALT.1-F,44X44      |

## Erklärung zur REACH-Verordnung : Anhang I

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|-----------------|----------------------------|
| 2CKA006220A0265 | BEWEGUNGSMELDER , 44X44    |
| 2CKA006220A0369 | BEWEGUNGSMELDER            |
| 2CKA006220A0370 | BEWEG.MELD./SCHALTAKT. 1-F |
| 2CKA006220A0410 | Movement detector          |
| 2CKA006220A0427 | BEWEGUNGSMELDER            |
| 2CKA006220A0428 | Mov. detector/actuator 1g  |
| 2CKA006220A0444 | BEWEGUNGSMELDER            |
| 2CKA006220A0495 | BEWEGUNGSMELDER            |
| 2CKA006220A0496 | BEWEG.MELD./SCHALTAKT. 1-F |
| 2CKA006220A0512 | BEWEGUNGSMELDER            |
| 2CKA006220A0513 | BEWEG.MELD./SCHALTAKT. 1-F |
| 2CKA006220A0547 | BEWEGUNGSMELDER            |
| 2CKA006220A0564 | BEWEGUNGSMELDER            |
| 2CKA006220A0616 | BEWEG.MELD./SCHALTAKT. 1-F |
| 2CKA006220A0632 | BEWEGUNGSMELDER            |
| 2CKA006220A0633 | Mov. detector/actuator 1g  |
| 2CKA006220A0683 | Movement detector          |
| 2CKA006220A0787 | BEWEGUNGSMELDER TANGO      |
| 2CKA006220A0789 | BEWEGUNGSMELDER TANGO      |
| 2CKA006220A0795 | BEWEGUNGSMELDER TIME       |
| 2CKA006220A0796 | BEWEGUNGSMELDER TIME       |
| 2CKA006220A0798 | BEWEGUNGSMELDER TIME       |
| 2CKA006220A0804 | Movement detector Time     |
| 2CKA006220A0805 | BEWEG./SCHALTAKT. TANGO    |
| 2CKA006220A0813 | BEWEG./SCHALTAKT. TIME     |
| 2CKA006220A0814 | BEWEG./SCHALTAKT. TIME     |
| 2CKA006220A0816 | BEWEG./SCHALTAKT. TIME     |
| 2CKA006220A0825 | BEWEGUNGSMELDER LEVIT      |
| 2CKA006220A0826 | Movement detector Levit    |
| 2CKA006220A0828 | Movement detector Levit    |
| 2CKA006220A0829 | Movement detector Levit    |
| 2CKA006220A0831 | BEWEG./SCHALTAKT. LEVIT    |
| 2CKA006300A1548 | BUSCH-WÄCHTER 180°         |
| 2CKA006300A1568 | BUSCH-WÄCHTER 180°         |
| 2CKA006300A1584 | BUSCH-WÄCHTER 180°         |
| 2CKA006300A1596 | BUSCH-WÄCHTER 180°         |
| 2CKA006300A1620 | BUSCH-WÄCHTER 180°         |
| 2CKA006300A1629 | BUSCH-WÄCHTER 180°         |
| 2CKA006320A0002 | TRITON 1/2FACH MF/IR       |
| 2CKA006320A0003 | TRITON 1/2FACH MF/IR       |
| 2CKA006320A0004 | TRITON 1/2FACH MF/IR       |
| 2CKA006320A0005 | TRITON 1/2FACH MF/IR       |
| 2CKA006320A0006 | TRITON 1/2FACH MF/IR       |
| 2CKA006320A0007 | triton 1/2gang MF/IR       |

|                 |                                |
|-----------------|--------------------------------|
| 2CKA006320A0008 | TRITON 1/2FACH MF/IR           |
| 2CKA006320A0009 | TRITON 1/2FACH MF/IR           |
| 2CKA006320A0010 | TRITON 1/2FACH MF/IR           |
| 2CKA006320A0011 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0012 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0013 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0014 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0015 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0016 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0017 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0018 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0019 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0020 | TRITON 3/6FACH MF/IR           |
| 2CKA006320A0031 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0032 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0033 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0034 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0035 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0036 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0037 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0038 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0039 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0040 | TRITON 5/10FACH MF/IR          |
| 2CKA006320A0051 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0052 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0053 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0054 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0055 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0056 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0057 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0058 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0059 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0060 | TRITON 3/6FACH MF/IR RTR       |
| 2CKA006320A0061 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0062 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0063 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0064 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0065 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0066 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0067 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0068 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0069 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006320A0070 | TRITON 5/10FACH MF/IR RTR      |
| 2CKA006401A0048 | UNIVERSAL-RELAIS-EINS.         |
| 2CKA006401A0049 | UNIVERSAL-RELAIS-EINS.         |
| 2CKA006401A0055 | UNIVERSAL-RELAIS-EINSATZ       |
| 2CKA006410A0375 | Blind Control Basis Insert, FM |

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| 2CKA006410A0376 | Blind Control Basis Insert, FM  |
| 2CKA006410A0377 | Blind Control Switch Insert, FM |
| 2CKA006410A0378 | Blind Control Switch Insert, FM |
| 2CKA006410A0379 | Blind Control Switch Insert, FM |
| 2CKA006410A0380 | Blind Control Switch Insert, FM |
| 2CKA006410A0381 | Blind control switch insert     |
| 2CKA006410A0385 | Shutter control employment      |
| 2CKA006410A0386 | Blind control basis insert      |
| 2CKA006410A0406 | BCCI timer set, RSI             |
| 2CKA006410A0407 | BCCI timer set, BSI             |
| 2CKA006410A0408 | BCCI timer set, Fut.            |
| 2CKA006430A0144 | B-ELEMENT JAL-CONTR. IMP        |
| 2CKA006430A0337 | B-ELEMENT JAL-CONTR. IMP.       |
| 2CKA006430A0338 | B-ELEMENT JAL-CONTR. IMP        |
| 2CKA006430A0379 | B-ELEMENT JAL-CONTR. IMP        |
| 2CKA006430A0381 | B-ELEMENT JAL-CONTR. IMP        |
| 2CKA006500A0791 | DAEMMERUNGSSCHALTER OCEAN       |
| 2CKA006500A0792 | DAEMMERUNGSSCHALTER ALPINWEIß   |
| 2CKA006512A0298 | DIMMER 500 W/VA                 |
| 2CKA006512A0299 | Dimmer 420 VA                   |
| 2CKA006512A0302 | DIMMER DREHBETAETIGUNG          |
| 2CKA006512A0304 | DIMMER 500 W/VA                 |
| 2CKA006512A0305 | Dimmer 420 VA                   |
| 2CKA006512A0318 | Rotary Dimmer LE 500 VA         |
| 2CKA006512A0323 | LED-DIM. 2D AN 200 VA           |
| 2CKA006512A0334 | LED-DIM. 2D 250 VA              |
| 2CKA006512A0335 | LED-DIM. 2D 250 VA              |
| 2CKA006512A0338 | LED-DIM. 2D 250 VA              |
| 2CKA006512A0339 | LED-DIMMER, REG                 |
| 2CKA006512A0340 | LED-DIMMER, REG                 |
| 2CKA006512A0344 | LED-DIM. 2D 400 VA              |
| 2CKA006512A0345 | LED-DIM. 2D 400 VA              |
| 2CKA006512A0346 | LED-DIM. 2D 400 VA              |
| 2CKA006512A0347 | LED-DIM. 2D 400 VA              |
| 2CKA006512A0348 | LED-DIMMER-SET, RSI             |
| 2CKA006512A0349 | LED-DIMMER-SET, BSI             |
| 2CKA006512A0350 | LED DIMMER SET, FUT.            |
| 2CKA006512A0351 | Rotary dimmer,RC,420W, Fut      |
| 2CKA006513A0576 | Dimmer Insert, FM               |
| 2CKA006513A0586 | DIMMER DREHBETAETIGUNG          |
| 2CKA006513A0594 | Univ. Dimmer 420W/VA            |
| 2CKA006513A0597 | Rotary Dimmer UNI 420 VA        |

|                 |                                 |
|-----------------|---------------------------------|
| 2CKA006515A0654 | DIMMER AP 600 W                 |
| 2CKA006515A0704 | Dimmer Insert, FM               |
| 2CKA006515A0838 | Dimmer 60-600 VA                |
| 2CKA006515A0840 | DIMMER EINSATZ                  |
| 2CKA006515A0842 | BUSCH-DIMMER                    |
| 2CKA006515A0843 | BUSCH-DIMMER                    |
| 2CKA006515A0846 | BUSCH-DIMMER                    |
| 2CKA006515A0849 | Rotary Dimmer LE 600 W          |
| 2CKA006520A0226 | Dimmer Insert, FM               |
| 2CKA006520A0227 | Dimmer Insert, FM               |
| 2CKA006531A0032 | Dimmer, FM                      |
| 2CKA006550A0041 | Dimmer Insert, FM               |
| 2CKA006550A0042 | Dimmer Insert, FM               |
| 2CKA006560A1205 | BUSCH-MEMORY-TASTDIMMER-EINSATZ |
| 2CKA006565A0056 | BUSCH-MEMORY-SERIENDIMMER       |
| 2CKA006565A0057 | BUSCH-MEMORY-SERIENDIMMER       |
| 2CKA006590A0169 | Dimmer Insert, FM               |
| 2CKA006590A0170 | Power Module 315 W/VA, FM       |
| 2CKA006590A0172 | LEISTUNGSBAUSTEIN 315W/VA       |
| 2CKA006590A0176 | BUSCH-UNIV. ZENTRALDIMMER       |
| 2CKA006590A0177 | BUSCH-UNIVERS.-LEISTUNGSBAUST.  |
| 2CKA006590A0178 | UNIV. ZENTRALDIMMER             |
| 2CKA006590A0179 | Capacity Booster, MDRC          |
| 2CKA006599A2035 | Electronic Potentiometer, FM    |
| 2CKA006599A2266 | EB-ELEKTRONIK-POTI F. EVG       |
| 2CKA006599A2563 | ELEKTRONIK-POTI REG             |
| 2CKA006599A2597 | B-ELEMENT IMP MEM-D.            |
| 2CKA006599A2814 | POTENTIOMETER 0-10 V            |
| 2CKA006599A2815 | B-ELEMENT SI MEM-D.             |
| 2CKA006599A2816 | B-ELEMENT R-SI MEM-D.           |
| 2CKA006599A2820 | B-ELEMENT A-NEA MEM-D.          |
| 2CKA006599A2821 | B-ELEMENT A-NEA MEM-D.          |
| 2CKA006599A2822 | B-ELEMENT A-NEA MEM-D.          |
| 2CKA006599A2824 | B-ELEMENT A-NEA MEM-D.          |
| 2CKA006599A2831 | B-ELEMENT SF MEM-D.             |
| 2CKA006599A2834 | B-ELEMENT SF MEM-D.             |
| 2CKA006599A2869 | B-ELEMENT A-E MEM-D.            |
| 2CKA006599A2870 | B-ELEMENT A-E MEM-D.            |
| 2CKA006599A2873 | Electronic Potentiometer, FM    |
| 2CKA006599A2881 | B-ELEMENT SOLO MEM-TAST.        |
| 2CKA006599A2887 | BEDIENELEMENT                   |
| 2CKA006599A2888 | BEDIENELEMENT                   |



**Erklärung zur REACH-Verordnung : Anhang I**

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|-----------------|----------------------------|
| 2CKA006599A2889 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2890 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2891 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2894 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2900 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2903 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2906 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2908 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2914 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2920 | B-ELEMENT IMP. MEMO. DIM.  |
| 2CKA006599A2921 | B-ELEMENT IMP. MEMO. DIM.  |
| 2CKA006599A2926 | BEDIENELEMENT              |
| 2CKA006599A2927 | BEDIENELEMENT              |
| 2CKA006599A2942 | BEDIENELEMENT              |
| 2CKA006599A2943 | Dimmer Control Cover       |
| 2CKA006599A2960 | POTENTIOMETER 1-10 V       |
| 2CKA006599A2963 | B-ELEMENT SF MEM-D.        |
| 2CKA006599A2964 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2968 | B-ELEMENT SF MEM-D.        |
| 2CKA006599A2969 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2972 | B-ELEMENT IMP MEM-D.       |
| 2CKA006599A2973 | B-ELEMENT MIT GLIMMLAMPE   |
| 2CKA006599A2976 | BEDIENELEMENT IMP. MEM.D.  |
| 2CKA006599A2977 | BEDIENELEMENT M.GLIMMLAMPE |
| 2CKA006599A2985 | DALI-POTI BC               |
| 2CKA006599A2986 | DALI-POWER-POTI BC MIT SV  |
| 2CKA006599A2987 | DALI-POTI BC               |
| 2CKA006599A2988 | DALI-POWER-POTI BC MIT SV  |
| 2CKA006599A3010 | B-ELEMENT SF MEM-D.        |
| 2CKA006599A3011 | B-ELEMENT R-SI MEM-D.      |
| 2CKA006599A3012 | 1-10 V-POTI, PHILIPS       |
| 2CKA006599A3013 | DALI-POWER-POTI , PHILIPS  |
| 2CKA006599A3015 | DALI-POTI BC               |
| 2CKA006599A3016 | DALI-POWER-POTI BC MIT SV  |
| 2CKA006599A3018 | B-ELEMET E-EINS.           |
| 2CKA006599A3019 | B-ELEMET DIM-EINS. 2-F     |

|                 |                                    |
|-----------------|------------------------------------|
| 2CKA006599A3025 | DALI-POTI TW BC                    |
| 2CKA006599A3026 | DALI-Power-Poti TW BC PS           |
| 2CKA006599A3029 | Rotary dimmer, 1-10 V              |
| 2CKA006599A3030 | DREHDIMMER, UP, DALI, POW.         |
| 2CKA006599A3031 | Rotary dimmer, DALI, Pow.          |
| 2CKA006616A0544 | DREHZAHLSTELLER UP SI              |
| 2CKA006630A0255 | DREHZAHLSTELLER AP 0,8A            |
| 2CKA006630A0503 | DREHZAHLSTELLER                    |
| 2CKA006700A0031 | BUSCH-WÄCHTER® 220° WAVE           |
| 2CKA006700A0032 | BUSCH-WÄCHTER® 220° WAVE           |
| 2CKA006700A0033 | BUSCH-WÄCHTER® 220° WAVE           |
| 2CKA006700A0034 | BUSCH-WÄCHTER® 220° WAVE           |
| 2CKA006700A0035 | BUSCH-WÄCHTER® 220° WAVE           |
| 2CKA006700A0037 | BuschWächter® 220° Wave            |
| 2CKA006710A0001 | ZLLNetzteilEinsatz                 |
| 2CKA006710A0002 | ZLLRelaisEinsatz                   |
| 2CKA006710A0003 | ZLL-DIMMER-EINSATZ                 |
| 2CKA006710A0004 | ZLL-Plug-in unit Switch            |
| 2CKA006800A1674 | BW-SENSOR AW44                     |
| 2CKA006800A1740 | BW-SENSOR AW44 UP                  |
| 2CKA006800A1898 | BW-SENSOR AW44                     |
| 2CKA006800A2317 | BUSCH-WÄCHTER® 90 PROFESSIONALLINE |
| 2CKA006800A2318 | BUSCH-WÄCHTER® 90 PROFESSIONALLINE |
| 2CKA006800A2319 | BUSCH-WÄCHTER® 90 PROFESSIONALLINE |
| 2CKA006800A2321 | BUSCH-WÄCHTER® 90 PROFESSIONALLINE |
| 2CKA006800A2330 | BW® 220 PROFESSIONALLINE           |
| 2CKA006800A2331 | BW® 220 PROFESSIONALLINE           |
| 2CKA006800A2332 | BW® 220 PROFESSIONALLINE           |
| 2CKA006800A2334 | BW® 220 PROFESSIONALLINE           |
| 2CKA006800A2335 | BW® 220 PROFESSIONALLINE           |
| 2CKA006800A2353 | BW-SENSOR AW44, BRAUN              |
| 2CKA006800A2354 | BW-SENSOR AW44, ALUSILBER          |
| 2CKA006800A2520 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2521 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2522 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2523 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2524 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2525 | BUSCH-WÄCHTER® 220°                |
| 2CKA006800A2526 | BUSCH-WÄCHTER® 220°                |

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| 2CKA006800A2527 | BUSCH-WÄCHTER® 220°        |
| 2CKA006800A2528 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2529 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2530 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2531 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2532 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2533 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2534 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2535 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2536 | BUSCH-WÄCHTER® 220° SELECT |
| 2CKA006800A2537 | BUSCH-WÄCHTER® 220° SELECT |
| 2CKA006800A2542 | BUSCH-WÄCHTER® 70°         |
| 2CKA006800A2543 | BUSCH-WÄCHTER® 70°         |
| 2CKA006800A2544 | BUSCH-WÄCHTER® 70°         |
| 2CKA006800A2545 | BUSCH-WÄCHTER® 70°         |
| 2CKA006800A2546 | Busch-Watchdog 70          |
| 2CKA006800A2548 | BUSCH-WÄCHTER® 70°         |
| 2CKA006800A2550 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2551 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2552 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2553 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2554 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2556 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2557 | BUSCH-WÄCHTER® 280° MIT FB |
| 2CKA006800A2574 | BUSCH-WÄCHTER® 220° PRE FB |
| 2CKA006800A2575 | BUSCH-WÄCHTER® 220° PRE FB |
| 2CKA006800A2576 | BUSCH-WÄCHTER® 220° PRE FB |
| 2CKA006800A2577 | BUSCH-WÄCHTER® 220° PRE FB |
| 2CKA006800A2578 | BUSCH-WÄCHTER® 220° PRE FB |

|                 |                            |
|-----------------|----------------------------|
| 2CKA006800A2580 | BUSCH-WÄCHTER® 220° PRE FB |
| 2CKA006800A2581 | Busch-Watchdog 220° pre RC |
| 2CKA006800A2599 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2600 | BUSCH-WÄCHTER® 220° MIT FB |
| 2CKA006800A2607 | BUSCH-WÄCHTER® 110         |
| 2CKA006800A2608 | BUSCH-WÄCHTER® 110         |
| 2CKA006800A2609 | BUSCH-WÄCHTER® 110         |
| 2CKA006800A2610 | BUSCH-WÄCHTER® 110         |
| 2CKA006800A2614 | Busch-Watchdog 110         |
| 2CKA006800A2732 | PRÄSENZ COMP. REL.         |
| 2CKA006800A2733 | Presence Comp. rel.        |
| 2CKA006800A2734 | PRÄSENZ UNI. REL.          |
| 2CKA006800A2735 | Präsenz Uni. Rel.          |
| 2CKA006800A2736 | Presence Comp. e-contact   |
| 2CKA006800A2737 | Präsenz Comp. e-contact    |
| 2CKA006800A2738 | PRÄSENZ UNI. E-CONTACT     |
| 2CKA006800A2740 | PRÄSENZ UNI. BT REL.       |
| 2CKA006800A2741 | PRÄSENZ UNI. BT REL.       |
| 2CKA006800A2742 | PRÄSENZ UNI. BT E-CONTACT  |
| 2CKA006800A2743 | PRÄSENZ UNI. BT E-CONTACT  |
| 2CKA006800A2744 | PRÄSENZ CORR. BT REL.      |
| 2CKA006800A2745 | PRÄSENZ CORR. BT REL.      |
| 2CKA006800A2746 | PRÄSENZ UNI. BT DALI       |
| 2CKA006800A2747 | PRÄSENZ UNI. BT DALI       |
| 2CKA006800A2748 | PRÄSENZ CORR. BT DALI      |
| 2CKA006800A2749 | PRÄSENZ CORR. BT DALI      |
| 2CKA006800A2750 | PRÄSENZ COMP. SL           |
| 2CKA006800A2753 | Präsenz Uni. SL            |
| 2CKA006800A2755 | Präsenz Corr. SL           |
| 2CKA006800A2758 | PRÄSENZ UNI. DALI SL       |
| 2CKA006800A2759 | PRÄSENZ UNI. DALI SL       |
| 2CKA006800A2760 | PRÄSENZ CORR. DALI SL      |
| 2CKA006800A2761 | PRÄSENZ CORR. DALI SL      |
| 2CKA006800A2766 | PRÄSENZ COMP. REL.         |
| 2CKA006800A2767 | PRÄSENZ COMP. REL.         |
| 2CKA006800A2768 | PRÄSENZ UNI. REL.          |
| 2CKA006800A2769 | Presence Uni. rel.         |
| 2CKA006800A2770 | PRÄSENZ COMP. E-CONTACT    |
| 2CKA006800A2771 | PRÄSENZ COMP. E-CONTACT    |
| 2CKA006800A2772 | Presence Uni. e-contact    |
| 2CKA006800A2773 | PRÄSENZ UNI. E-CONTACT     |
| 2CKA006800A2774 | PRÄSENZ UNI. BT REL.       |
| 2CKA006800A2775 | PRÄSENZ UNI. BT REL.       |
| 2CKA006800A2776 | PRÄSENZ UNI. BT E-CONTACT  |
| 2CKA006800A2777 | PRÄSENZ UNI. BT E-CONTACT  |

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| 2CKA006800A2778 | PRÄSENZ CORR. BT REL.                     |
| 2CKA006800A2779 | PRÄSENZ CORR. BT REL.                     |
| 2CKA006800A2780 | PRÄSENZ UNI. BT DALI                      |
| 2CKA006800A2781 | PRÄSENZ UNI. BT DALI                      |
| 2CKA006800A2783 | PRÄSENZ CORR. BT DALI                     |
| 2CKA006800A2784 | Presence Comp. SL                         |
| 2CKA006800A2785 | PRÄSENZ COMP. SL                          |
| 2CKA006800A2786 | PRÄSENZ UNI. SL                           |
| 2CKA006800A2787 | PRÄSENZ UNI. SL                           |
| 2CKA006800A2788 | PRÄSENZ CORR. SL                          |
| 2CKA006800A2789 | PRÄSENZ CORR. SL                          |
| 2CKA006800A2793 | PRÄSENZ UNI. DALI SL                      |
| 2CKA006800A2795 | PRÄSENZ CORR. DALI SL                     |
| 2CKA006800A2796 | Presence Corr. rel.                       |
| 2CKA006800A2797 | Präsenz Corr. Rel.                        |
| 2CKA006800A2802 | PRÄSENZ UNI. BT E-CONT. IP                |
| 2CKA006800A2803 | PRÄSENZ UNI. BT E-CONT. IP                |
| 2CKA006800A2804 | PRÄSENZ UNI. BT E-CONT. IP                |
| 2CKA006800A2805 | PRÄSENZ UNI. BT E-CONT. IP                |
| 2CKA001754A4258 | Rahmen 1f., Bronze                        |
| 2CKA001754A4259 | Rahmen 2f., Bronze                        |
| 2CKA001754A4260 | Rahmen 3f., Bronze                        |
| 2CKA001754A4261 | RAHMEN 4-F., BRONZE                       |
| 2CKA006197A0047 | LEDDimmer 4x210W                          |
| 2CKA006197A0049 | LED-Dim actuator 6x210W                   |
| 2CKA006197A0064 | UNIVERSAL-DIMMAKTOR 4-FACH 210W REG       |
| 2CKA006200A0154 | System Access Point 2.0                   |
| 2CKA006200A0155 | System Access Point 2.0                   |
| 2CKA006220A0728 | Dimmaktor 4x210W, REG                     |
| 2CKA006220A0729 | Dimmaktor 4x210W, REG                     |
| 2CKA006220A0730 | Dim actuator 6x210W, MDRC                 |
| 2CKA006220A0731 | Dim actuator 6x210W, MDRC                 |
| 2CKA006310A0156 | ABSCHLUSSLEISTE OBEN IR                   |
| 2CKA006310A0157 | ABSCHLUSSLEISTE OBEN IR                   |
| 2CKA006310A0158 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0160 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0161 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0162 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0164 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0165 | Abschlussl. unten<br>Temperaturf.         |
| 2CKA006310A0181 | ABSCHLUSSLEISTE UNTEN<br>TEMPERATURFÜHLER |

|                 |                                           |
|-----------------|-------------------------------------------|
| 2CKA006310A0182 | Abschlussleiste unten<br>Temperaturfühler |
| 2CKA006310A0183 | ABSCHLUSSLEISTE OBEN RTR                  |
| 2CKA006310A0184 | ABSCHLUSSLEISTE OBEN RTR                  |
| 2CKA006512A0320 | LED dimmer, rotary control                |
| 2CKA006512A0321 | LED dimmer, rotary control                |
| 2CKA006512A0333 | LED dimmer, rotary control                |
| 2CKA006512A0341 | LED dimmer, rotary control                |
| 2CKA006512A0342 | LED dimmer, rotary control                |
| 2CKA006590A0192 | LED-Dimmer, MDRC, 800 VA                  |
| 2CKA006590A0193 | LED-Dimmer, MDRC, 800 VA                  |
| 2CKA005210A0035 | RTR OBJEKTBEREICH                         |
| 2CKA005210A0039 | bus coupler                               |
| 2CKA006115A0179 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0180 | Control element 1g w. BAU                 |
| 2CKA006115A0181 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0182 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0183 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0187 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0190 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0205 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0206 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0207 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0211 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0214 | Bedienelement 1f. M. BAU                  |
| 2CKA006115A0215 | Bedienelement 1f. M. BAU                  |
| 2CKA006116A0170 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0171 | Control element 2g w. BAU                 |
| 2CKA006116A0172 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0173 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0174 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0178 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0181 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0182 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0195 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0196 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0197 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0201 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0202 | Control element 2g w. BAU                 |
| 2CKA006116A0204 | Bedienelement 2f. m. BAU                  |
| 2CKA006116A0205 | Bedienelement 2f. m. BAU                  |
| 2CKA006117A0196 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0197 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0198 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0199 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0200 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0204 | Bedienelement 4f. m. BAU                  |
| 2CKA006117A0205 | Bedienelement 4f. m. BAU                  |

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| 2CKA006117A0207 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0208 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0221 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0222 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0223 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0227 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0230 | Bedienelement 4f. m. BAU   |
| 2CKA006117A0231 | Bedienelement 4f. m. BAU   |
| 2CKA006120A0074 | Bus coupler, FM            |
| 2CKA006120A0075 | Bus coupler, FM            |
| 2CKA006133A0220 | Push-button coupler 2gang  |
| 2CKA006133A0221 | Push-button coupler 2gang  |
| 2CKA006133A0222 | Push-button coupler 4gang  |
| 2CKA006133A0223 | Push-button coupler 4gang  |
| 2CKA006134A0318 | RTC                        |
| 2CKA006134A0319 | RTC                        |
| 2CKA006220A0002 | Sensor Unit 1gang          |
| 2CKA006220A0003 | Sensor Unit 2gang          |
| 2CKA006220A0010 | Raumtemp.regler            |
| 2CKA006220A0012 | Sensor/Schaltakt. 1/1f     |
| 2CKA006220A0013 | Sensor/Schaltakt. 2/1f     |
| 2CKA006220A0014 | Sensor/Schaltakt. 2/2f     |
| 2CKA006220A0015 | Sensor/Dim actuator 1/1g   |
| 2CKA006220A0016 | Sensor/Dim actuator 2/1g   |
| 2CKA006220A0017 | Sensor/Blind actuator 1/1g |
| 2CKA006220A0018 | Sensor/Blind actuator 2/1g |
| 2CKA006220A0117 | Sensor Unit 1gang          |
| 2CKA006220A0118 | Sensor Unit 2gang          |
| 2CKA006220A0122 | Raumtemp.regler            |
| 2CKA006220A0123 | Sensor/Schaltaktor 1/1f    |
| 2CKA006220A0124 | Sensor/Schaltaktor 2/1f    |
| 2CKA006220A0125 | Sensor/Schaltaktor 2/2f    |
| 2CKA006220A0126 | Sensor/Dim actuator 1/1g   |
| 2CKA006220A0127 | Sensor/Dim actuator 2/1g   |
| 2CKA006220A0128 | Sensor/Blind actuator 1/1g |
| 2CKA006220A0129 | Sensor/Blind actuator 2/1g |
| 2CKA006220A0222 | Sensor Unit 1gang, 44x44   |
| 2CKA006220A0223 | Sensor Unit 2gang, 44x44   |
| 2CKA006220A0232 | SENS/ SCHALTAKT 1/1, 44X44 |
| 2CKA006220A0233 | Sens/ Schaltakt 2/1, 44x44 |
| 2CKA006220A0234 | Sens/ Schaltakt 2/2, 44x44 |
| 2CKA006220A0235 | SENS/ DIMMAKTOR 1/1, 44X44 |
| 2CKA006220A0236 | Sens/ Dimact. 2/1, 44x44   |
| 2CKA006220A0237 | Sens/ Blindact. 1/1, 44x44 |
| 2CKA006220A0238 | Sens/ Blindact. 2/1, 44x44 |
| 2CKA006220A0263 | Sensor Unit 1gang, 44x44   |
| 2CKA006220A0264 | Sensor Unit 2gang, 44x44   |

|                 |                            |
|-----------------|----------------------------|
| 2CKA006220A0269 | Sens/ Schaltakt 2/2, 44x44 |
| 2CKA006220A0272 | Sens/ Blindact. 1/1, 44x44 |
| 2CKA006220A0276 | Raumtemp.regler            |
| 2CKA006220A0277 | Raumtemp.regler            |
| 2CKA006220A0393 | KLEINKOMBI                 |
| 2CKA006300A1538 | Bedienelement 1f.          |
| 2CKA006300A1545 | Bedienelement 4f. mit RTR  |
| 2CKA006300A1546 | Bedienelement 4f. mit RTR  |
| 2CKA006300A1547 | Raumtemperaturregler       |
| 2CKA006300A1565 | Bedienelement 4f. mit RTR  |
| 2CKA006300A1566 | Bedienelement 4f. mit RTR  |
| 2CKA006300A1567 | Raumtemperaturregler       |
| 2CKA006300A1583 | Raumtemperaturregler       |
| 2CKA006300A1595 | Raumtemperaturregler       |
| 2CKA006300A1619 | Raumtemperaturregler       |
| 2CKA006300A1628 | Raumtemperaturregler       |
| 2CKA006330A0001 | HVAC-Slave-device,6f. CE   |
| 2CKA006330A0002 | HVAC-Slave-device,6f. CE   |
| 2CKA006330A0003 | HVACGerät,6fach BE         |
| 2CKA006330A0004 | HVAC-device,6f. CE         |
| 2CKA006330A0005 | HVAC-Slave-device,10f CE   |
| 2CKA006330A0006 | HVAC-Slave-device,10f CE   |
| 2CKA006330A0007 | HVAC-device,10f. CE        |
| 2CKA006330A0008 | HVAC-device,10f. CE        |
| 2CKA006330A0009 | HVAC/CO2-device,6f CE      |
| 2CKA006330A0010 | HVAC/CO2-device,6f CE      |
| 2CKA006330A0011 | HVAC/CO2-device,10f CE     |
| 2CKA006330A0012 | HVAC/CO2-device,10f CE     |
| 2CKA006330A0013 | 8f. Bedienelement          |
| 2CKA006330A0014 | 8f. Bedienelement          |
| 2CKA006330A0015 | 12f. Bedienelement         |
| 2CKA006330A0016 | 12f. Control element       |
| 2CKA001012A2168 | Serienschalter             |
| 2CKA001012A2178 | Serienschalter             |
| 2CKA001012A2186 | Jalousieschalter 1-pol.    |
| 2CKA001012A2233 | Schalter UP Serie          |
| 2CKA001012A2234 | Schalter UP Serie          |
| 2CKA001012A2238 | Schalter UP Serienkontr.   |
| 2CKA001012A2240 | Schalter UP DND/MUR        |
| 2CKA001012A2241 | Schalter UP DND/MUR 12V    |
| 2CKA001032A0487 | Raumtemperaturregler Eins. |
| 2CKA001032A0488 | Raumtemperaturregler Eins. |
| 2CKA001032A0489 | Raumtemperaturregler Eins. |
| 2CKA001032A0490 | Raumtemperaturregler Eins. |
| 2CKA001085A1634 | K-Wechselsch. oc H-Notsch. |
| 2CKA001085A1636 | K-Wechselsch. oc 10A 1P    |
| 2CKA001315A0449 | SI-ZUGSCHALTER, ZUGSCHNUR  |



## Erklärung zur REACH-Verordnung : Anhang I

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|                 |                                      |
|-----------------|--------------------------------------|
| 2CKA001413A1102 | Jalousietaster 1-pol.                |
| 2CKA001484A0383 | Taster oc Schliesser                 |
| 2CKA001684A0332 | Komb. oc Wechselsch./Steckd.         |
| 2CKA001684A0333 | Komb. oc Wechselsch./Steckd.         |
| 2CKA001710A2231 | C-SCH. AW44 PZ                       |
| 2CKA001710A3805 | C-SCH. AW44 Schlüsselsch.            |
| 2CKA002017A0873 | Steckdose Erd.eBS.Steckkl.           |
| 2CKA002017A0874 | Steckdose Erd.eBS.Steckkl.           |
| 2CKA002083A0841 | SCHUKO® Steckdose, EDV               |
| 2CKA002084A0728 | D-Steckd. oc bel.                    |
| 2CKA002124A0024 | Steckdose Nema AP ocean              |
| 2CKA002124A0025 | Steckdose                            |
| 2CKA002211A0092 | STECKER WD                           |
| 2CKA002211A0100 | STECKER WD                           |
| 2CKA002211A0118 | WD STECKER                           |
| 2CKA002595A0023 | PERILEX-KUPPLUNG                     |
| 2CKA006133A0201 | Inbetriebnahmeschnittstelle/-adapter |
| 2CKA006220A0849 | Wetterstation MFH Set                |
| 2CKA006220A0850 | Wetterstation MFH Set                |
| 2CKA006565A0059 | Busch-Memory-Seriendimmer            |
| 2CKA006565A0060 | Busch-Memory-Seriendimmer            |
| 2CKA006599A2899 | B-Element mit Glühlampe              |
| 2CKA006599A2905 | B-Element mit Glühlampe              |
| 2CKA006599A2907 | B-Element mit Glühlampe              |
| 2CKA006599A2922 | B-Element mit Glühlampe              |
| 2CKA006599A2923 | B-Element mit Glühlampe              |
| 2CKA006599A2993 | B-Element B55 Mem-D.                 |
| 2CKA006599A2994 | B-Element B55 Mem-D.                 |
| 2CKA006599A2995 | B-Element B55 Mem-D.                 |
| 2CKA006599A2996 | B-Element B55 Mem-D.                 |
| 2CKA006599A2997 | B-Element B55 Mem-D.                 |
| 2CKA006700A0036 | Busch-Wächter® 220° Wave             |
| 2CKA006700A0038 | Busch-Wächter® 220° Wave             |
| 2CKA006800A2579 | Busch-Wächter® 220° pre FB           |
| 2CKA006800A2782 | Präsenz Corr. BT DALI                |
| 2CKA001611A0011 | KOMBINATION UP SERIENSCH.            |
| 2CKA001611A0151 | KOMBINATION UP SERIENSCH.            |
| 2CKA006400A0398 | Netzteil-Einsatz, USB A+C            |
| 2CKA006400A0399 | Netzteil-Einsatz, USB A+C            |
| 2CKA006400A0400 | Netzteil-Einsatz, USB A+C            |
| 2CKA000000P0001 | K-MAT TACTEO TOUCH                   |
| 2CKA000000P0002 | K-MAT TACTEO RTC                     |
| 2CKA000000P0004 | K-MAT TACTEO WATCHDOG                |
| 2CKA000000P0006 | K-MAT TACTEO TOUCH CUST              |
| 2CKA000000P0007 | K-MAT TACTEO RTC CUST                |
| 2CKA000000P0009 | K-MAT TACTEO WATCHDOG CUST           |

|                 |                                 |
|-----------------|---------------------------------|
| 2CKA000299A0032 | Potential Balancing Plug        |
| 2CKA000471A0037 | Built-in Jack                   |
| 2CKA001032A0483 | Room Thermostat, FM             |
| 2CKA001032A0484 | Room Thermostat, FM             |
| 2CKA001032A0485 | Room Thermostat, FM             |
| 2CKA001032A0486 | Room Thermostat, FM             |
| 2CKA001032A0497 | Room Thermostat, FM             |
| 2CKA001032A0498 | Room Thermostat, FM             |
| 2CKA001032A0512 | Room Thermostat, FM             |
| 2CKA001032A0513 | Room Thermostat, FM             |
| 2CKA001032A0514 | Room Thermostat, FM             |
| 2CKA001032A0515 | Room thermostat                 |
| 2CKA001032A0516 | Room thermostat                 |
| 2CKA001032A0517 | FM-insert CO2                   |
| 2CKA001032A0518 | FM-insert CO3                   |
| 2CKA001101A0918 | 3-Level Switch                  |
| 2CKA001101A0919 | 3-Level Switch                  |
| 2CKA001712A0165 | Connector Box                   |
| 2CKA001712A0182 | Connector Box                   |
| 2CKA002018A1557 | SCHUKO® so lid diff.            |
| 2CKA002018A1559 | SCHUKO® so lid diff.            |
| 2CKA002018A1560 | SCHUKO® so lid diff.            |
| 2CKA002018A1561 | SCHUKO® so lid diff.            |
| 2CKA002018A1562 | SCHUKO® so lid diff.            |
| 2CKA002018A1565 | SCHUKO® so lid diff.            |
| 2CKA002018A1566 | SCHUKO® so lid diff.            |
| 2CKA002018A1567 | SCHUKO® so lid diff.            |
| 2CKA002018A1568 | SCHUKO® so lid diff.            |
| 2CKA002056A0068 | Socket Outl. SI 3g              |
| 2CKA002056A0069 | Socket Outl. R-SI 3g            |
| 2CKA002056A0071 | Socket Outl. S 3g               |
| 2CKA002495A0026 | Equipotential Socket Outlet     |
| 2CKA002495A0059 | Equipotential Socket Outlet     |
| 2CKA002495A0084 | Equipotential Socket Outlet, FM |
| 2CKA002495A0085 | Equipotential Socket Outlet     |
| 2CKA002495A0086 | Equipotential Socket Outlet     |
| 2CKA002495A0089 | Equipotential Socket Outlet, FM |
| 2CKA002495A0090 | Equipotential Socket Outlet, FM |
| 2CKA002495A0091 | Equipotential Socket Outlet     |
| 2CKA002495A0092 | Equipotential Socket Outlet     |
| 2CKA002495A0095 | Equipotential Socket Outlet     |
| 2CKA002495A0096 | SO-ins equipotential            |
| 2CKA002495A0097 | Equipotential Socket Outlet     |
| 2CKA006115A0453 | switsch 6f FM input 5f          |
| 2CKA006134A0312 | Objekt RTC w. input 5f.         |

## Erklärung zur REACH-Verordnung : Anhang I

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|-----------------|------------------------------------------|
| 2CKA006134A0313 | Objekt RTC w. input 5f.                  |
| 2CKA006134A0314 | RTC w. input 5f.                         |
| 2CKA006134A0315 | RTC w. input 5f.                         |
| 2CKA006134A0316 | CO2 RTC HUM w. input 5f.                 |
| 2CKA006134A0317 | CO2 RTC HUM w. input 5f.                 |
| 2CKA006134A0349 | Air quality sensor with RTC, SM          |
| 2CKA006140A0028 | Year Time Switch KNX                     |
| 2CKA006140A0029 | Antenna GPS                              |
| 2CKA006140A0030 | Antenna DCF 77                           |
| 2CKA006146A0022 | Brightness/Temperature Sensor            |
| 2CKA006181A0012 | FM input 5f.                             |
| 2CKA006181A0013 | FM input 5f.                             |
| 2CKA006330A0057 | HVAC/CO2-device,6f CE, studio white matt |
| 2CKA006330A0058 | HVAC/CO2-device,6f CE, black matt        |
| 2CKA006330A0059 | HVAC/CO2-device,6f CE, aluminium sil.    |
| 2CKA006330A0060 | HVAC/CO2-device,6f CE, studio white matt |
| 2CKA006330A0061 | HVAC/CO2-device,6f CE, black matt        |
| 2CKA006330A0062 | HVAC/CO2-device,6f CE, aluminium silver  |
| 2CKA006330A0063 | HVAC/CO2-device,10f CE, studio white m   |
| 2CKA006330A0064 | HVAC/CO2-device,10f CE, black matt       |
| 2CKA006330A0065 | HVAC/CO2-device,10f CE, aluminium silver |
| 2CKA006330A0066 | HVAC/CO2-device,10f CE, studio white m   |
| 2CKA006330A0067 | HVAC/CO2-device,10f CE, black matt       |
| 2CKA006330A0068 | HVAC/CO2-device,10f CE, aluminium silver |
| 2CKA006400A0038 | Busch-powerDock Insert                   |
| 2CKA006400A0044 | Busch-powerDock Set, LC                  |
| 2CKA006400A0046 | Busch-powerDock Set, USB-C               |
| 2CKA006401A0052 | Universal Power supply insert            |
| 2CKA006401A0053 | Universal relay insert                   |
| 2CKA006410A0392 | Countdown timer set                      |
| 2CKA006410A0393 | Timer Insert, FM                         |
| 2CKA006410A0398 | Busch-Timer Control Cover                |
| 2CKA006410A0399 | Busch-Timer Control Cover                |
| 2CKA006410A0400 | Busch-Timer Control Cover                |
| 2CKA006410A0410 | BCOM timer                               |
| 2CKA006515X0654 | DIMMER,SURFACE MOUNTED                   |

|                 |                            |
|-----------------|----------------------------|
| 2CKA001754A4254 | Cover Frame 1-gang         |
| 2CKA001754A4255 | Cover Frame 2-gang         |
| 2CKA001754A4256 | Cover Frame 3-gang         |
| 2CKA001754A4257 | Cover Frame 4-gang         |
| 2CKA001754A4356 | Cover Frame 1-gang         |
| 2CKA001754A4357 | Cover Frame 2-gang         |
| 2CKA001754A4358 | Cover Frame 3-gang         |
| 2CKA001754A4359 | Cover Frame 4-gang         |
| 2CKA001754A4360 | Cover Frame 1-gang         |
| 2CKA001754A4361 | Cover Frame 2-gang         |
| 2CKA001754A4362 | Cover Frame 3-gang         |
| 2CKA001754A4363 | Cover Frame 4-gang         |
| 2CKA006220A0273 | Sens/ Blindact. 2/1, 44x44 |
| 2CKA000230A0201 | ENDWIDERSTAND 75 OHM       |
| 2CKA000230A0250 | ANT-EINS. UP STICH         |
| 2CKA000230A0268 | Ant-Eins. UP Durchg.       |
| 2CKA000230A0380 | ANT-EINS. UP STICH         |
| 2CKA000230A0384 | ANTENNE EINS. STICH SAT    |
| 2CKA000230A0463 | ANTENNE EINS. STICH SAT    |
| 2CKA002011A6263 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6264 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6265 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6266 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6267 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6268 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6269 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6270 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6271 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6272 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6273 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6274 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6275 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6276 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6277 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6278 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6279 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6280 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6281 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6282 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6283 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6284 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6285 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6286 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6287 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6288 | SCHUKO-/USB socket out, 2g |
| 2CKA002011A6289 | SCHUKO-/USB socket out, 2g |
| 2CKA006200A0049 | WLSensor/Blind act. 1/1g   |

# Erklärung zur REACH-Verordnung : Anhang I

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|                 |                            |
|-----------------|----------------------------|
| 2CKA006200A0050 | WLSensor/Blind act. 2/1g   |
| 2CKA006200A0051 | WLRaumtemp.regler          |
| 2CKA006200A0052 | WLRaumtemp.regler/Aktor    |
| 2CKA006200A0079 | WLSensor/Blind act. 1/1g   |
| 2CKA006200A0080 | WLSensor/Blind act. 2/1g   |
| 2CKA006200A0081 | WLRaumtemp.regler          |
| 2CKA006200A0082 | WLRaumtemp.regler/Aktor    |
| 2CKA006200A0113 | WLSens/ Blindact. 1/1, 44  |
| 2CKA006200A0114 | WLSens/ Blindact. 2/1, 44  |
| 2CKA006200A0115 | WLRaumtemp.regler          |
| 2CKA006200A0116 | WLRaumtemp.regler/Aktor    |
| 2CKA006200A0125 | WLSens/ Blindact. 1/1, 44  |
| 2CKA006200A0126 | WLSens/ Blindact. 2/1, 44  |
| 2CKA006200A0127 | WLRaumtemp.regler          |
| 2CKA006200A0128 | WLRaumtemp.regler/Aktor    |
| 2CKA006220A0115 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0215 | Beweg.meld./Schaltakt. 1-f |
| 2CKA006220A0216 | Beweg.meld./Schaltakt. 1-f |
| 2CKA006220A0217 | Beweg.meld./Schaltakt. 1-f |
| 2CKA006220A0220 | Beweg.meld./Schaltakt. 1-f |
| 2CKA006220A0221 | Beweg.meld./Schaltakt. 1-f |
| 2CKA006220A0266 | Bew.meld./Schalt. 1f,44x44 |
| 2CKA006220A0267 | Sens/ Schaltakt 1/1, 44x44 |
| 2CKA006220A0268 | Sens/ Schaltakt 2/1, 44x44 |
| 2CKA006220A0386 | BWSensorSens akt           |
| 2CKA006220A0411 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0445 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0531 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0548 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0565 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0650 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0667 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0684 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0701 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0718 | Beweg.meld./Schaltakt. 1f  |
| 2CKA006220A0806 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0807 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0808 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0809 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0810 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0811 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0812 | Beweg./Schaltakt. Tango    |
| 2CKA006220A0815 | Beweg./Schaltakt. Time     |
| 2CKA006220A0817 | Beweg./Schaltakt. Time     |
| 2CKA006220A0818 | Beweg./Schaltakt. Time     |
| 2CKA006220A0819 | Beweg./Schaltakt. Time     |
| 2CKA006220A0820 | Beweg./Schaltakt. Time     |

|                 |                               |
|-----------------|-------------------------------|
| 2CKA006220A0821 | Beweg./Schaltakt. Time        |
| 2CKA006220A0822 | Beweg./Schaltakt. Time        |
| 2CKA006220A0832 | Beweg./Schaltakt. Levit       |
| 2CKA006220A0833 | Beweg./Schaltakt. Levit       |
| 2CKA006220A0834 | Beweg./Schaltakt. Levit       |
| 2CKA006220A0835 | Beweg./Schaltakt. Levit       |
| 2CKA006220A0836 | Beweg./Schaltakt. Levit       |
| 2CKA006220A0842 | Beweg.meld./Schaltakt. 1f     |
| 2CKA006220A0845 | Beweg.meld./Schaltakt. 1f     |
| 2CKA002017A1889 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1890 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1891 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1892 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1893 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1894 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1895 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1896 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1897 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1898 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1899 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1900 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1901 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1902 | Earth pin-/USB socket out, 2g |
| 2CKA002017A1903 | Earth pin-/USB socket out, 2g |

## SVHC: Lead monoxide (lead oxide), CAS: 1317-36-8

| Product Number  | Product Name                |
|-----------------|-----------------------------|
| 2CKA006220A0007 | Busch-free@homePanel 4.3"   |
| 2CKA006220A0008 | Busch-free@homePanel 4.3    |
| 2CKA006220A0119 | ABB-free@homePanel 4.3"     |
| 2CKA006220A0120 | ABB-free@homePanel 4.3      |
| 2CKA006700A0036 | Busch-Watchdog 220 WaveLINE |
| 2CKA006700A0038 | Busch-Watchdog 220 WaveLINE |

## SVHC: Lead titanium trioxide, CAS: 12060-00-3

| Product Number  | Product Name              |
|-----------------|---------------------------|
| 2CKA006220A0007 | Busch-free@homePanel 4.3" |
| 2CKA006220A0008 | Busch-free@homePanel 4.3  |
| 2CKA006220A0119 | ABB-free@homePanel 4.3"   |
| 2CKA006220A0120 | ABB-free@homePanel 4.3    |

## SVHC: Lead titanium zirconium oxide, CAS: 12626-81-2

## Erklärung zur REACH-Verordnung : Anhang I

| Product Number  | Product Name |
|-----------------|--------------|
| 2CKA006134A0309 | RTC          |
| 2CKA006134A0310 | RTC          |

## SVHC: N,N-dimethylacetamide, CAS: 127-19-5

| Product Number  | Product Name                           |
|-----------------|----------------------------------------|
| 2CKA006200A0067 | free@home window sensor, wireless      |
| 2CKA006200A0068 | free@home universal detector, wireless |
| 2CKA006200A0070 | free@home universal detector, wireless |
| 2CKA006200A0101 | free@home window sensor, wireless      |
| 2CKA006200A0102 | free@home universal detector, wireless |
| 2CKA006200A0104 | free@home universal detector, wireless |
| 2CKA006200A0141 | free@home window sensor, wireless      |
| 2CKA006200A0069 | free@home window sensor, wireless      |
| 2CKA006200A0103 | free@home window sensor, wireless      |
| 2CKA006200A0142 | free@home window sensor, wireless      |

## SVHC: Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate, CAS: 29420-49-3

| Product Number  | Product Name             |
|-----------------|--------------------------|
| 2CKA006200A0154 | System Access Point 2.0  |
| 2CKA006200A0155 | System Access Point 2.0  |
| 2CKA006220A0849 | Weatherstation Multi Set |
| 2CKA006220A0850 | Weatherstation Multi Set |

Ende Anhang I



## Product Declaration Produkterklärung

**This product declaration is issued under the sole responsibility of the manufacturer**

Die alleinige Verantwortung für die Ausstellung dieser Produkterklärung trägt der Hersteller

**ABB AG  
BUSCH-JAEGER  
Freisenbergstraße 2  
58513 Lüdenscheid  
Deutschland**

### Object of the product declaration:

Gegenstand der Produkterklärung:

**Order code/ Bestellnummer: 2CKA002011A3725  
Article code/ Artikelnummer: 20 EUC-84  
Product name/ Produktname: Steckd. SF**

### Declaration created

Erklärung erstellt

**01.09.2025**

**The object of the product declaration described above does not contain any of the**

Der oben beschriebene Gegenstand der Produkterklärung enthält keine der in der

**DIRECTIVE 2011/65/EU and it's amendment (EU) 2015/863 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast) from 08 June 2011 prohibited substances above the specified limits unless using an exemption as those listed in Annex III and IV.**

RICHTLINIE 2011/65/EU und dessen Ergänzung (EU) 2015/863 DES EUROPÄISCHEN PARLAMENTS UND DES RATES zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (Neufassung) vom 08. Juni 2011 verbotenen Substanzen oberhalb der Grenzwerte es sei denn, es wird eine Ausnahme von Anhang III und IV angewendet.

**i.V. Manfred Lange**  
**Head of Product Compliance Home Solutions**  
Leiter Produkt Konformität Home Solutions

**i.V. Stephan Roentgen**  
**Local Environmental Officer**  
Lokaler Umweltbeauftragter

Dieses Dokument wurde elektronisch erstellt und ist ohne Unterschrift gültig.  
Filename / Dateiname: 20 EUC-84\_ROHS\_XX\_V02\_2CKA200000E3374.pdf

**ABB AG**  
Postanschrift:  
Postfach 10 03 51  
DE-68003 Mannheim

Besuchsanschrift:  
Kallstadter Straße 1  
DE-68309 Mannheim  
Telefon: +49 621 381 0  
[www.abb.de](http://www.abb.de)

Sitz der Gesellschaft:  
Mannheim  
Registergericht: Mannheim  
Handelsregister: HRB 4664

Vorsitzender des Aufsichtsrates:  
Adrian Guggisberg  
Vorstand:  
Eric Perotti (Vorsitzender),  
Alexander Zumkeller





## ABB AG - BUSCH-JAEGER

BUSCH-JAEGER

Freisenberastraße 2. Lüdenscheid. Germanv

has successfully achieved

### C2C Certified® Material Health Bronze

for the product(s) under the name:

future® linear, Busch-axcent®, Busch-balance® SI

Certification Number  
12334

Products Covered  
future® linear, Busch-axcent®, Busch-balance® SI.

Standard Version  
5.0

Please see the List of Certified Products (available on the Cradle to Cradle Certified Product Registry) for all products included in this certification.

Achievement Level  
Bronze

Transparency requirements for Version 5.0 are addressed via the Version 4.1 Circularity Data Report and the Transparency Disclosures section.

Effective Date  
11 June 2026

Expiration Date  
10 June 2029

Lead Assessment Body  
Eco Intelligent Growth (EIG)

Material Health Assessment  
EPEA GmbH - Part of Drees & Sommer

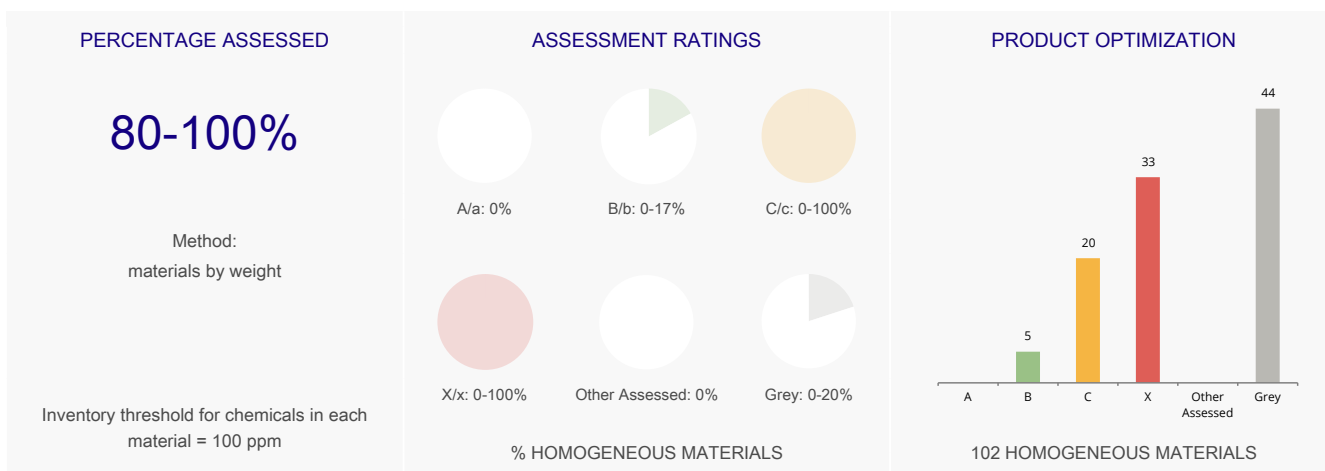
Elwyn Grainger-Jones  
Executive Director  
Cradle to Cradle Products Innovation Institute

Phases and Processes considered in the Chemical Toxicity Assessment

Final manufacturing; Professional use; Use; Intended end of use: recycling; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment.

#### PRODUCT OPTIMIZATION SUMMARY

- ☒ Compliant with Leading Chemical Regulations
- ☒ Organohalogen substances of special concern and functionally-related non-halogenated classes of equivalent concern are below allowable thresholds (exemptions apply)
- ☐ No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- ☐ Meets VOC emissions testing requirements
- ☐ Meets VOC content requirements
- ☐ Product is optimized for material health (no grey or x-assessed chemicals)
- ☐ Process chemicals have been identified and none are grey or x-assessed
- ☐ Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain



Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or C2C Certified inputs.

See the Cradle to Cradle Certified Product Registry at [www.c2ccertified.org](http://www.c2ccertified.org) for additional details.

Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.

Amsterdam, The Netherlands | San Francisco, California, USA

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