SENTINEL HOLDING
INSTITUT

SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

15138-10-1016

Touch- & Bedienpanels

Warengruppe: Systeme - Systeme - Elektroinstallation

BUSCH-JAEGER

ABB AG BUSCH-JAEGER
Freisenbergstrasse 2
58513 Lüdenscheid

Produktqualitäten:

- QNG Qualitätssiegel Nachhaltiges Gebäude ✓
- DGNB NEUBAU 2023.2 ✓
- DGNB NEUBAU 2023 ✓
- DGNB NEUBAU 2018 ✓
- BNB-BN NEUBAU V2015 ✓
- EU-TAXONOMIE ✓
- BREEAM DE NEUBAU 2018 ✓
- LEED v4.1 (outside US) ✓

GEPRÜFT NACHHALTIGES PRODUKT – SHI PRODUKT PASS – SENTINEL HOLDING INSTITUT – www.sentinel-holding.eu/pruefkriterien

Köttner

Helmut Köttner
Wissenschaftlicher Leiter
Freiburg, den 26.08.2026

Produkt:
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Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.

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QNG - Qualitätssiegel Nachhaltiges Gebäude

Das Qualitätssiegel Nachhaltiges Gebäude, entwickelt durch das Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen (BMWSB), legt Anforderungen an die ökologische, soziokulturelle und ökonomische Qualität von Gebäuden fest. Das Sentinel Holding Institut prüft Bauprodukte gemäß den QNG-Anforderungen für eine Zertifizierung und vergibt das QNG-ready Siegel. Das Einhalten des QNG-Standards ist Voraussetzung für den KfW-Förderkredit. Für bestimmte Produktgruppen hat das QNG derzeit keine spezifischen Anforderungen definiert. Diese Produkte sind als nicht bewertungsrelevant eingestuft, können jedoch in QNG-Projekten genutzt werden.

Kriterium	Pos. / Bauproduktgruppe	Betrachtete Stoffe	QNG Freigabe
3.1.3 Schadstoffvermeidung in Baumaterialien			QNG-ready nicht bewertungsrelevant

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DGNB Neubau 2023.2

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt			nicht bewertungsrelevant

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DGNB Neubau 2023

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude. Die Version 2023 setzt hohe Standards für ökologische, ökonomische, soziokulturelle und funktionale Aspekte während des gesamten Lebenszyklus eines Gebäudes.

Kriterium	Bewertung
ENV 1.1 Klimaschutz und Energie (*)	Kann Gesamtbewertung positiv beeinflussen
Nachweis: EPDs liegen vor. Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten.	

Kriterium	Bewertung
ECO 1.1 Gebäudebezogene Kosten im Lebenszyklus (*)	Kann Gesamtbewertung positiv beeinflussen
Nachweis: Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten. I.d.R. keine regelmäßig Wartung erforderlich.	

Kriterium	Bewertung
SOC 1.1 Thermischer Komfort (*)	Kann Gesamtbewertung positiv beeinflussen
Nachweis: Regelgeräte für Raumklima (Heizung, Klima, Lüftung) enthalten.	

Kriterium	Bewertung
TEC 1.4 Einsatz und Integration von Gebäudetechnik (*)	Kann Gesamtbewertung positiv beeinflussen
Nachweis: Sensoren und Bedienelemente für optimierte Gebäudetechnik enthalten. u.a. KNX, free@home und weitere Smart home Systeme.	

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 03.05.2024 (3. Auflage)			nicht bewertungsrelevant

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 29.05.2025 (4. Auflage)			nicht bewertungsrelevant

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DGNB Neubau 2018

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt			nicht bewertungsrelevant

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BNB-BN Neubau V2015

Das Bewertungssystem Nachhaltiges Bauen ist ein Instrument zur Bewertung von Büro- und Verwaltungsgebäuden, Unterrichtsgebäuden, Laborgebäuden sowie Außenanlagen in Deutschland. Das BNB wurde vom damaligen Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB) entwickelt und unterliegt heute dem Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen.

Kriterium	Pos. / Bauprodukttyp	Betrachtete Schadstoffgruppe	Qualitätsniveau
1.1.6 Risiken für die lokale Umwelt			nicht bewertungsrelevant

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EU-Taxonomie

Die EU-Taxonomie klassifiziert wirtschaftliche Aktivitäten und Produkte nach ihren Umweltauswirkungen. Auf der Produktebene gibt es gemäß der EU-Verordnung klare Anforderungen zu Formaldehyd und flüchtigen organischen Verbindungen (VOC). Die Sentinel Holding Institut GmbH kennzeichnet qualifizierte Produkte, die diesen Standard erfüllen.

Kriterium	Produkttyp	Betrachtete Stoffe	Bewertung
DNSH - Vermeidung und Verminderung der Umweltverschmutzung			nicht bewertungsrelevant

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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) ist ein britisches Gebäudebewertungssystem, welches die Nachhaltigkeit von Neubauten, Sanierungsprojekten und Umbauten einstuft. Das Bewertungssystem wurde vom Building Research Establishment (BRE) entwickelt und zielt darauf ab, ökologische, ökonomische und soziale Auswirkungen von Gebäuden zu bewerten und zu verbessern.

Kriterium	Produktkategorie	Betrachtete Stoffe	Qualitätsstufe
Hea 02 Qualität der Innenraumluft			nicht bewertungsrelevant

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LEED v4.1

LEED (Leadership in Energy and Environmental Design) ist ein international anerkanntes Gebäudezertifizierungssystem des U.S. Green Building Council. Es zählt zu den weltweit am weitesten verbreiteten Nachhaltigkeitsstandards für Gebäude und wird insbesondere bei international ausgerichteten Projekten eingesetzt. LEED bewertet Gebäude ganzheitlich in Kategorien wie Energieeffizienz, Ressourcenschonung, Materialauswahl, Innenraumqualität und Standortqualität. Je nach erreichter Punktzahl werden die Zertifizierungsstufen LEED Certified, Silver, Gold oder Platinum vergeben.

Kriterium	Produktkategorie	Betrachtete Stoffe	Bewertung
EQ Credit: Low-Emitting Materials			nicht bewertungsrelevant

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Produktsiegel

In der Baubranche spielt die Auswahl qualitativ hochwertiger Materialien eine zentrale Rolle für die Gesundheit in Gebäuden und deren Nachhaltigkeit. Produktlabels und Zertifikate bieten Orientierung, um diesen Anforderungen gerecht zu werden. Allerdings besitzt jedes Zertifikat und Label eigene Prüfkriterien, die genau betrachtet werden sollten, um sicherzustellen, dass sie den spezifischen Bedürfnissen eines Bauvorhabens entsprechen.

Produkte mit dem QNG-ready Siegel des Sentinel Holding Instituts eignen sich für Projekte, für welche das Qualitätssiegel Nachhaltiges Gebäude (QNG) angestrebt wird. QNG-ready Produkte erfüllen die Anforderungen des QNG Anhangdokument 3.1.3 "Schadstoffvermeidung in Baumaterialien". Das KfW-Kreditprogramm Klimafreundlicher Neubau mit QNG kann eine höhere Fördersumme ermöglichen.

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Rechtliche Hinweise

(*) Die Kriterien dieses Steckbriefs beziehen sich auf das gesamte Bauobjekt. Die Bewertung erfolgt auf der Ebene des Gebäudes. Im Rahmen einer sachgemäßen Planung und fachgerechten Installation können einzelne Produkte einen positiven Beitrag zum Gesamtergebnis der Bewertung leisten. Das Sentinel Holding Institut stützt sich einzig auf die Angaben des Herstellers.

Alle Kriterien finden Sie unter:
https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte

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SGS TÜV SAAR

Herausgeber

Sentinel Holding Institut GmbH
Bötzinger Str. 38
79111 Freiburg im Breisgau
Tel.: +49 761 590 481-70
info@sentinel-holding.eu
www.sentinel-holding.eu

PRODUCTS FAMILY DECLARATION FOR SMART TOUCH OF ABB

PRODUCT ENVIRONMENTAL PROFILE

Environmental Product Declaration



ORGANIZATION	WEBSITE
ABB Xiamen Smart Technology Co., Ltd	https://new.abb.com/cn/en/about/businesses/electrification/xiamen-smart-technology-co
ADDRESS	CONTACT INFORMATION
No.7,Fangshan South Road, Hi-tech area, Torch park, XiangAn District, Xiamen, China (assembly sites)	Mr. Jock -zhao Wu, jock-zhao.wu@cn.abb.com

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ABB Purpose & Embedding Sustainability

ABB is demonstrating their commitment to sustainability by making themselves sustainable. Across their own operations and value chain, aspiring to become a role model for others to follow. With **ABB Purpose** ABB is focusing on reducing harmful emissions, preserving natural resources, and championing ethical and humane behavior to achieve this. Detail info see the website: Sustainability strategy 2030 — ABB Group (global.abb)



General Information

Reference product	The reference product is one unit of IP touch produced by ABB; the representative product is ST/U10.1.11-811 (2TMA310050W0001).
Description of the product	The smart touch panel is an important device of door entry system, free@home and KNX system. It's with impressed industry design, especially the metal frame color variation. Through video, audio and screen, it acts as the indoor station in door entry system and can also be used as central control panel for building automation.
Functional unit of the representative product	To provide smooth and effective communication with outdoor station for host and visitor during door entry system as indoor device and to control and cooperate with other devices to realize smart building as central control panel in free@home and KNX system over a reference lifetime of 10 years.
Products concerned	The products concerned: ST/U10.1.1-811(2TMA310051W0001), ST/U10.1.1-825 (2TMA310051B0001), ST/U10.2.1-811 (2TMA310051W0002), ST/U10.2.1-825 (2TMA310051B0002), ST/U10.3.1-811 (2TMA310051W0003), ST/U10.3.1-825 (2TMA310051B0003), ST/U10.4.1-811 (2TMA310051W0004), ST/U10.4.1-825 (2TMA310051B0004), ST/U10.1.11-811 (2TMA310050W0001), ST/U10.1.11-825 (2TMA310050B0001), ST/U10.2.11-811 (2TMA310050W0002), ST/U10.2.11-825 (2TMA310050B0002), ST/U10.3.11-811 (2TMA310050W0003), ST/U10.3.11-825 (2TMA310050B0003), ST/U10.4.11-811 (2TMA310050W0004), ST/U10.4.11-825 (2TMA310050B0004).

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Constituent materials

Total weight of Reference product	Net weight of the product is 800.2 g. The total weight of packaged product is 1078.3 g (including product packaging and transportation packaging).

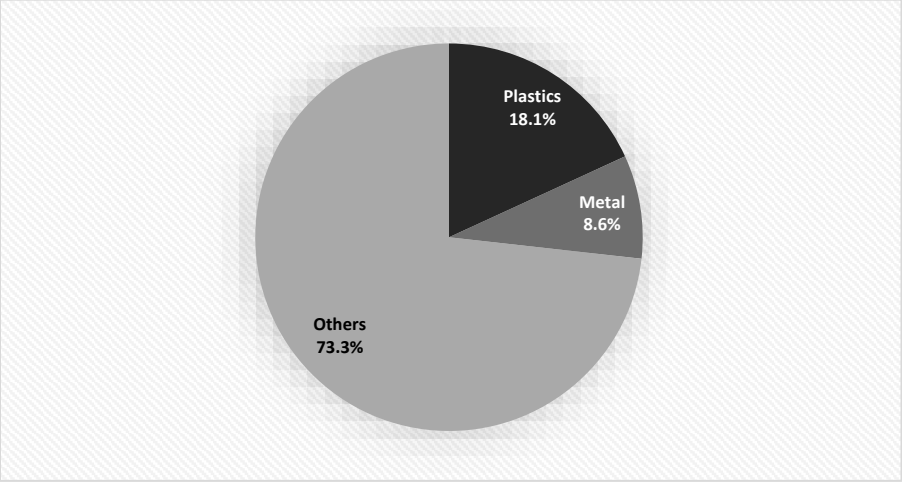


Figure 1 Constituent materials of the reference product (2TMA310050W0001)

Table 1 Information on mass of reference product and its packaging

Components	2TMA310050W0001	Product weight, incl. product pack (kg)	Product weight, incl. product pack and transportation pack (kg)
Product (kg)	0.80	1.07	1.08
Product packaging (kg)	0.27		
Transportation packaging (kg)	0.01		

Detailed constituent materials of the reference product were shown in Figure 1 and then listed in Table 2.

Table 2 Materials distribution of the reference product

Plastics as % of weight		Metals as % of weight		Paper as % of weight		Other as % of weight	
Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%
PC	11.0%	Aluminum	8.4%	Paper	25.1%	Electronic parts	48.1%
ABS	4.3%	Copper	0.2%			Others	< 0.1%
Rubber	2.6%						
PU foam	0.2%						

Environmental impacts

Reference lifetime		10 years
Product category		Smart touch module. According to the Specific rules for electrical switchgear and control gear Solutions (PSR-0005-ed3-EN-2023 06 06), the product is covered by other equipment - Category 2: active products.

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Installation elements		The product is installed manually. There is no input of materials / accessories and energy during the installation. The main environmental impact was caused by the waste generated in this stage.
Use scenario		The reference product is used in Germany using low voltage electricity.
Geographical representativeness		The studied product is produced in China but used in Germany.
Technological representativeness		In the manufacturing stage, specific data was collected to calculate the environmental impact caused by the manufacturing process. To produce raw materials and parts, datasets from Ecoinvent 3.8 were used. During the dataset selection, the technological representation was considered carefully. Datasets with the same production processes were preferred. If not available, datasets with similar production processes were chosen.
Software and databases used		Simapro version 9.4.04 & databases Ecoinvent 3.8 & EF 3.0
Standards applied in ABB		ABB had used many recycling materials, e.g., plastic and metal. The products' standards applied include: EN 62368-1:2014/A11:2017 EN IC 61000-6-1:2019 EN 61000-6-3:2007/A1:2011

Energy model used	**Manufacturing**	**Distribution**	**Installation**	**Use**	**End of life**
	Average electricity mix in China	Non-applicable	Non-applicable	Germany	Global

Table 3 Environmental impact indicators of life cycle Impact assessment

Compulsory Indicators

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Climate change	kg CO2 eq	3.07E+02	6.36E+01	9.77E+00	4.37E-01	2.32E+02	1.25E+00
Climate change - Fossil	kg CO2 eq	2.88E+02	6.33E+01	9.77E+00	1.36E-02	2.14E+02	1.24E+00
Climate change - Biogenic	kg CO2 eq	1.86E+01	1.53E-01	3.12E-03	4.23E-01	1.80E+01	5.54E-03
Climate change - Land use and LU change	kg CO2 eq	3.97E-01	1.03E-01	5.86E-04	4.92E-06	2.93E-01	3.43E-04
Ozone depletion	kg CFC11 eq	1.11E-05	2.95E-06	2.22E-06	1.76E-09	5.85E-06	8.93E-08
Acidification	mol H+ eq	1.02E+00	3.99E-01	5.10E-02	9.39E-05	5.47E-01	2.05E-02
Eutrophication, freshwater	kg P eq	3.63E-01	4.28E-02	1.24E-04	1.41E-06	3.20E-01	7.50E-05
Eutrophication, marine	kg N eq	3.35E-01	1.43E-01	1.88E-02	4.39E-05	1.59E-01	1.41E-02
Eutrophication, terrestrial	mol N eq	2.18E+00	8.17E-01	2.05E-01	3.95E-04	1.15E+00	9.36E-03
Photochemical ozone formation	kg NMVOC eq	5.62E-01	2.13E-01	5.29E-02	1.01E-04	2.92E-01	3.46E-03
Resource use, minerals and metals	kg Sb eq	9.30E-03	7.40E-03	2.72E-06	3.97E-08	1.89E-03	1.31E-05
Resource use, fossils	MJ	3.86E+03	7.67E+02	1.37E+02	1.29E-01	2.95E+03	9.54E+00
Water use	m3 depriv.	2.78E+01	1.37E+01	9.06E-02	1.02E-02	1.37E+01	3.12E-01

Note: the recycled content and the scrape rates of raw materials of the products and products' packaging are adjusted to 0% and 30% respectively according to the PSR.

Table 4 Resource use indicators of life cycle Impact assessment

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Compulsory Indicators

Resource use indicators	Unit	Total	Manufac-turing	Distribu-tion	Installa-tion	Use	End of life
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	7.80E+02	8.87E+01	4.11E-01	3.22E-03	6.89E+02	1.22E+00
Use of renewable primary energy resources as raw materials	MJ	3.56E+00	3.56E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources	MJ	7.83E+02	9.23E+01	4.11E-01	3.22E-03	6.89E+02	1.22E+00
Use of non-renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	3.85E+03	7.61E+02	1.37E+02	1.29E-01	2.95E+03	9.54E+00
Use of non-renewable primary energy resources as raw materials	MJ	6.15E+00	6.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	MJ	3.86E+03	7.67E+02	1.37E+02	1.29E-01	2.95E+03	9.54E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Freshwater	m^3	1.95E+00	5.03E-01	3.92E-03	3.41E-04	1.44E+00	9.31E-03

Table 5 Waste category indicators of life cycle Impact assessment

Compulsory Indicators

Waste category indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Hazardous waste disposed	kg	9.72E-03	4.09E-03	3.65E-04	3.12E-07	4.70E-03	5.62E-04
Non-hazardous waste disposed	kg	2.62E+01	7.21E+00	2.21E-01	2.78E-01	1.39E+01	4.56E+00
Radioactive waste disposed	kg	1.54E-02	2.11E-03	9.71E-04	5.90E-07	1.22E-02	5.21E-05

Table 6 Output flow indicators

Compulsory Indicators

Output flow indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Components for reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	7.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-02
Materials for energy recovery	kg	9.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-02
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: The recovery of materials for materials and energy was calculated according to Annex D of the PCR.

Biogenic Carbon of product and packaging

As no biogenic carbon in the product, thus, only the biogenic carbon in the packaging was calculated. Of the product packaging and packaging for transportation, the materials containing biogenic carbon are wood pallet and paper board.

Table 7 Amount of biogenic carbon of product and packaging

Item	Unit (kg of C)	Total
Biogenic carbon content of the product	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	1.22E-01	1.22E-01

Extrapolation to a homogeneous environmental family

To determine the environmental impact of a product covered by the PEP other than the representative product, the following rules apply:

1) Manufacturing stage

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The impact for this phase of a product covered by the PEP other than the representative product is proportional to weight of the product, thus, the impacts should be calculated by multiple the coefficients factor_1 in Table 8 by the environmental impact for this phase of the representative product.

2) Distribution

The impact for this phase of a product covered by the PEP other than the representative product is proportional to the packaged product weight, thus, the impacts should be calculated by multiple the coefficients factor_2 in Table 8Table 8 Extrapolation rules for by the environmental impact for those phases of the representative product.

3) Installation

The impact for this phase of a product covered by the PEP other than the representative product is proportional to weight of the product packaging, thus, the impacts should be calculated by multiple the coefficients factor_3 in Table 8Table 8 Extrapolation rules for by the environmental impact for those phases of the representative product.

4) Use

The environmental impact for B1-B6 stage of a product covered by the PEP other than the representative product should be calculated by multiple the factor_4 in Table 8Table 8 Extrapolation rules for by the environmental impact for this phase of the representative product. Factor_4 is proportional to the amount of energy consumption.

5) End of life phases

The impacts of the representing product from the end-of-life are less than 2% of the total impact. However, the impact for this phase of a product covered by the PEP other than the representative product is calculated by multiple the coefficients factor_1 in Table 8 by the environmental impact for this phase of the representative product.

Table 8 Extrapolation rules for homogeneous environmental family products

SAP Number	Article Number	Factor_1	Factor_2	Factor_3	Factor_4
2TMA310051W0001	ST/U10.1.1-811	1.01	1.03	1.07	1.00
2TMA310051B0001	ST/U10.1.1-825	1.01	1.03	1.07	1.00
2TMA310051W0002	ST/U10.2.1-811	1.22	1.18	1.07	1.00
2TMA310051B0002	ST/U10.2.1-825	1.22	1.18	1.07	1.00
2TMA310051W0003	ST/U10.3.1-811	1.22	1.18	1.07	1.00
2TMA310051B0003	ST/U10.3.1-825	1.22	1.18	1.07	1.00
2TMA310051W0004	ST/U10.4.1-811	1.22	1.18	1.07	1.00
2TMA310051B0004	ST/U10.4.1-825	1.22	1.18	1.07	1.00
2TMA310050W0001	ST/U10.1.11-811	1.00	1.00	1.00	1.00
2TMA310050B0001	ST/U10.1.11-825	1.01	1.01	1.00	1.00
2TMA310050W0002	ST/U10.2.11-811	1.22	1.16	1.00	1.00
2TMA310050B0002	ST/U10.2.11-825	1.22	1.16	1.00	1.00
2TMA310050W0003	ST/U10.3.11-811	1.22	1.16	1.00	1.00
2TMA310050B0003	ST/U10.3.11-825	1.22	1.16	1.00	1.00
2TMA310050W0004	ST/U10.4.11-811	1.22	1.16	1.00	1.00
2TMA310050B0004	ST/U10.4.11-825	1.22	1.16	1.00	1.00

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Registration number: ABBG-00043-V01.01-EN	Drafting Rules: "PCR-ed4-EN-2021 09 06" Supplemented by "PSR-0005-ed3-EN-2023 06 06"
Verifier accreditation number: VH50	Information and reference documents: www.pep-ecopassport.org
Date of issue: 09-2023	Validity period: 5 years
Independent verification of the declaration and data in compliance with ISO 14025: 2006	
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 complies with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"	

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PRODUCTS FAMILY DECLARATION FOR IP TOUCH OF ABB

PRODUCT ENVIRONMENTAL PROFILE

Environmental Product Declaration



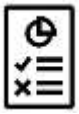
ORGANIZATION	WEBSITE
ABB Xiamen Smart Technology Co., Ltd	https://new.abb.com/cn/en/about/businesses/electrification/xiamen-smart-technology-co
ADDRESS	CONTACT INFORMATION
No.7,Fangshan South Road, Hi-tech area, Torch park, XiangAn District, Xiamen, China (assembly sites)	Mr. Jock -zhao Wu, jock-zhao.wu@cn.abb.com

STATUS	SECURITY LEVEL	Registration number	REV.	LANG.	PAGE
Approved	Public	PEP ecopassport® ABBG-00250-V01.01-EN	A	en	1/7

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ABB Purpose & Embedding Sustainability

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General Information

Reference product	The reference product is one unit of IP touch produced by ABB; the representative product is H8236-5B-03 (2TMA130050B0068).
Description of the product	The IP touch panel is an important device of door entry system and KNX system, which is with impressed industry design. Through video, audio and screen, it acts as the indoor station in door entry system and can also be used as central control panel for building automation.
Functional unit of the representative product	To provide smooth and effective communication with outdoor station for host and visitor during door entry system and to control and cooperate with other devices to realize smart building when being central control panel in KNX system over a reference lifetime of 10 years.
Products concerned	The homogeneous family products covered in this PEP are IP touch which is a important component of the Indoor station. Their composition, functions and use scenarios are almost the same. The main difference among them is: 1) Product colors 2) Product names and article numbers 3) Sizes of the products (7" and 10") The products concerned: H8236-8WG (2TMA130050W0063), H8236-8BG (2TMA130050B0063), H8236-9WG (2TMA130050W0064), H8236-9BG (2TMA130050B0064), H8236-6W (2TMA130051W0006), H8236-6B (2TMA130051B0006), H8236-7W (2TMA130051W0007), H8236-7B (2TMA130051B0007), H8236-4W (2TMA130050W0065), H8236-4B (2TMA130050B0065), H8236-5W (2TMA130050W0067), H8236-5B (2TMA130050B0067), H8236-4W-03 (2TMA130050W0066), H8236-4B-03 (2TMA130050B0066), H8236-5W-03 (2TMA130050W0068), H8236-5B-03 (2TMA130050B0068), H8237-8WG (2TMA130051W0004), H8237-8BG (2TMA130051B0004), H8237-9WG (2TMA130051W0005), H8237-9BG (2TMA130051B0005), H8237-6W (2TMA130051W0002), H8237-6B (2TMA130051B0002), H8237-7W (2TMA130051W0003), H8237-7B (2TMA130051B0003), H8237-4W (2TMA130050W0054), H8237-4B (2TMA130050B0054), H8237-5W (2TMA130050W0055), H8237-5B (2TMA130050B0055), H8237-4W-03 (2TMA130050W0058), H8237-4B-03 (2TMA130050B0058), H8237-5W-03 (2TMA130050W0060), H8237-5B-03 (2TMA130050B0060)

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Constituent materials

Total weight of Reference product	Net weight of the product is 567.1 g. The total weight of packaged product is 858.8 g (including product packaging and transportation packaging).

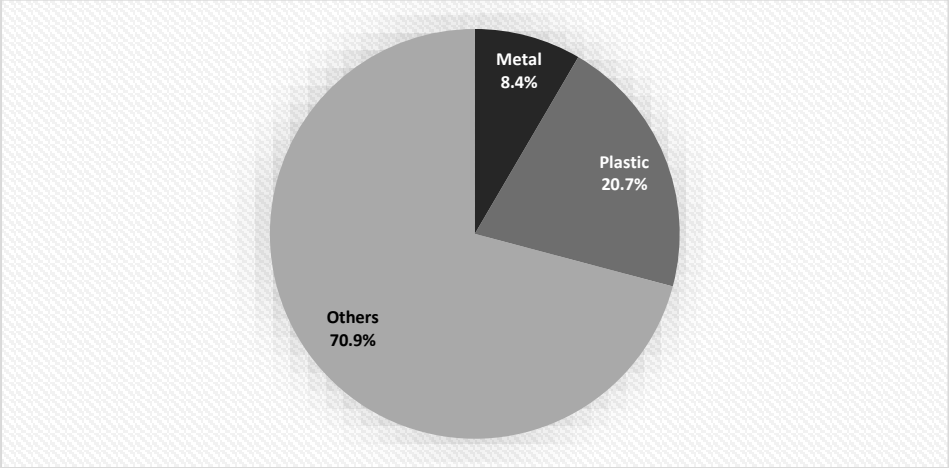


Figure 1 Constituent materials of the reference product (2TMA130050B0068)

Table 1 Information on mass of reference product and its packaging

Components	2TMA130050B0068	Product weight, incl. product pack (kg)	Product weight, incl. product pack and transportation pack (kg)
Product (kg)	0.57	0.85	0.86
Product packaging (kg)	0.28		
Transportation packaging (kg)	0.01		

Detailed constituent materials of the reference product were shown in Figure 1 and then listed in Table 2.

Table 2 Materials distribution of the reference product

Plastics as % of weight		Metals as % of weight		Paper as % of weight		Other as % of weight	
Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%
PC	16.8%	stainless steel 304	7.5%	Corrugated paper	16.6%	Electronic parts	40.9%
Silicone rubber	3.1%	Low carbon steel	0.7%	Folding boxboard carton	10.5%	Others	< 0.1%
PE	0.5%	Brass	0.2%	Printed paper	2.8%		
Sponge	0.3%						

Environmental impacts

Reference lifetime		10 years
Product category		IP touch module. According to the Specific rules for electrical switchgear and control gear Solutions (PSR-0005-ed3-EN-2023 06 06), the product is covered by other equipment - Category 2: active products.

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Installation elements		The product is installed manually. There is no input of materials / accessories and energy during the installation. The main environmental impact was caused by the waste generated in this stage.
Use scenario		The reference product is used in Germany using low voltage electricity.
Geographical representativeness		The studied product is produced in China but used in Germany.
Technological representativeness		In the manufacturing stage, specific data was collected to calculate the environmental impact caused by the manufacturing process. For the production of raw materials and parts, datasets from Ecoinvent 3.8 were used. During the dataset selection, the technological representation was considered carefully. Datasets with the same production processes were preferred. If not available, datasets with similar production processes were chosen.
Software and databases used		Simapro version 9.4.04 & databases ecoinvent 3.8 & EF3.0
Standards applied in ABB		ABB had used many recycling materials, e.g., plastic and metal. The products' standards applied include: EN 62368-1:2014/A11:2017 EN IEC 61000-6-1:2019 EN 61000-6-3:2007/A1:2011

Energy model used	**Manufacturing**	**Distribution**	**Installation**	**Use**	**End of life**
	Average electricity mix in China	Non-applicable	Non-applicable	Germany	Global

Table 3 Environmental impact indicators of life cycle Impact assessment

Compulsory Indicators

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Climate change	kg CO2 eq	1.29E+02	3.44E+01	7.78E+00	4.86E-01	8.57E+01	8.81E-01
Climate change - Fossil	kg CO2 eq	1.22E+02	3.42E+01	7.78E+00	8.35E-02	7.89E+01	8.78E-01
Climate change - Biogenic	kg CO2 eq	7.24E+00	1.64E-01	2.49E-03	4.03E-01	6.67E+00	3.01E-03
Climate change - Land use and LU change	kg CO2 eq	1.60E-01	5.16E-02	4.67E-04	5.49E-06	1.08E-01	2.05E-04
Ozone depletion	kg CFC11 eq	5.80E-06	1.81E-06	1.77E-06	1.94E-09	2.16E-06	5.98E-08
Acidification	mol H+ eq	5.00E-01	2.44E-01	4.06E-02	1.08E-04	2.02E-01	1.35E-02
Eutrophication, freshwater	kg P eq	1.50E-01	3.14E-02	9.84E-05	1.59E-06	1.18E-01	3.14E-05
Eutrophication, marine	kg N eq	1.48E-01	6.46E-02	1.49E-02	5.15E-05	5.87E-02	9.55E-03
Eutrophication, terrestrial	mol N eq	1.08E+00	4.81E-01	1.64E-01	4.61E-04	4.24E-01	6.05E-03
Photochemical ozone formation	kg NMVOC eq	2.88E-01	1.36E-01	4.22E-02	1.17E-04	1.08E-01	2.25E-03
Resource use, minerals and metals	kg Sb eq	8.68E-03	7.98E-03	2.17E-06	4.45E-08	6.99E-04	4.47E-07
Resource use, fossils	MJ	1.62E+03	4.18E+02	1.09E+02	1.44E-01	1.09E+03	6.27E+00
Water use	m3 depriv.	1.39E+01	8.59E+00	7.21E-02	1.30E-02	5.05E+00	2.04E-01

Note: the recycled content and the scrape rates of raw materials of the products and products' packaging are adjusted to 0% and 30% respectively according to the PSR.

Table 4 Resource use indicators of life cycle Impact assessment

Compulsory Indicators

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Resource use indicators	Unit	Total	Manufac-turing	Distribu-tion	Installa-tion	Use	End of life
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	3.05E+02	4.94E+01	3.27E-01	3.66E-03	2.55E+02	7.79E-01
Use of renewable primary energy resources as raw materials	MJ	3.08E+00	3.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources	MJ	3.08E+02	5.25E+01	3.27E-01	3.66E-03	2.55E+02	7.79E-01
Use of non-renewable primary energy, excluding renewable pri-mary energy resources used as raw materials	MJ	1.62E+03	4.12E+02	1.09E+02	1.44E-01	1.09E+03	6.26E+00
Use of non-renewable primary energy resources as raw materials	MJ	5.37E+00	5.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	MJ	1.62E+03	4.18E+02	1.09E+02	1.44E-01	1.09E+03	6.26E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Freshwater	m3	8.33E-01	2.93E-01	3.12E-03	4.29E-04	5.31E-01	6.06E-03

Table 5 Waste category indicators of life cycle Impact assessment

Compulsory Indicators

Waste category indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Hazardous waste disposed	kg	4.96E-03	2.92E-03	2.91E-04	3.59E-07	1.74E-03	7.63E-06
Non-hazardous waste disposed	kg	1.29E+01	4.14E+00	1.75E-01	2.95E-01	5.15E+00	3.10E+00
Radioactive waste disposed	kg	6.44E-03	1.11E-03	7.73E-04	6.40E-07	4.52E-03	3.51E-05

Table 6 Output flow indicators

Compulsory Indicators

Output flow indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Components for reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	5.70E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E+01
Materials for energy recovery	kg	7.36E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E+01
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: The recovery of materials for materials and energy was calculated according to Annex D of the PCR.

Biogenic Carbon of product and packaging

As no biogenic carbon in the product, thus, only the biogenic carbon in the packaging was calculated. Of the product packaging and packaging for transportation, the materials containing biogenic carbon are wood pallet and paper board.

Table 7 Amount of biogenic carbon of product and packaging

Item	Unit (kg of C)	Total
Biogenic carbon content of the product	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	1.06E-01	1.06E-01

Extrapolation to a homogeneous environmental family

To determine the environmental impact of a product covered by the PEP other than the representative product, the following rules apply:

1) Manufacturing stage

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The impact for this phase of a product covered by the PEP other than the representative product is proportional to weight of the product, thus, the impacts should be calculated by multiple the coefficients factor_1 in Table 8 by the environmental impact for this phase of the representative product.

2) Distribution

The impact for this phase of a product covered by the PEP other than the representative product is proportional to the packaged product weight, thus, the impacts should be calculated by multiple the coefficients factor_2 inTable 8 Extrapolation rules for by the environmental impact for those phases of the representative product.

3) Installation

The impact for this phase of a product covered by the PEP other than the representative product is proportional to weight of the product packaging, thus, the impacts should be calculated by multiple the coefficients factor_3 in Table 8 by the environmental impact for those phases of the representative product.

4) Use

The environmental impact for B1-B6 stage of a product covered by the PEP other than the representative product should be calculated by multiple the factor_4 in Table 8 by the environmental impact for this phase of the representative product. Factor_4 is proportional to the amount of energy consumption.

5) End of life phases

The impacts of the representing product from the end-of-life are less than 2% of the total impact. However, the impact for this phase of a product covered by the PEP other than the representative product is calculated by multiple the coefficients factor_1 in Table 8 by the environmental impact for this phase of the representative product.

Table 8 Extrapolation rules for homogeneous environmental family products

SAP Number	Article Number	Factor_1	Factor_2	Factor_3	Factor_4
2TMA130050B0068	H8236-5B-03	1.00	1.00	1.00	1.00
2TMA130050B0066	H8236-4B-03	0.91	0.94	1.00	1.00
2TMA130050W0068	H8236-5W-03	1.02	1.01	1.00	1.00
2TMA130050B0064	H8236-9BG	0.88	0.92	1.00	1.00
2TMA130051W0006	H8236-6W	0.88	0.92	1.00	1.00
2TMA130050W0064	H8236-9WG	0.88	0.92	1.00	1.00
2TMA130050B0063	H8236-8BG	0.79	0.86	1.00	1.00
2TMA130050W0063	H8236-8WG	0.79	0.86	1.00	1.00
2TMA130050W0065	H8236-4W	0.91	0.94	1.00	1.00
2TMA130050B0065	H8236-4B	0.91	0.94	1.00	1.00
2TMA130051B0007	H8236-7B	0.97	0.98	1.00	1.00
2TMA130051W0007	H8236-7W	0.97	0.98	1.00	1.00
2TMA130051B0006	H8236-6B	0.88	0.92	1.00	1.00
2TMA130050W0066	H8236-4W-03	0.91	0.94	1.00	1.00
2TMA130050B0067	H8236-5B	1.00	1.00	1.00	1.00
2TMA130050W0067	H8236-5W	1.00	1.00	1.00	1.00
2TMA130050B0060	H8237-5B-03	1.81	1.75	1.62	1.32
2TMA130050W0054	H8237-4W	1.73	1.69	1.62	1.32
2TMA130051B0005	H8237-9BG	1.70	1.67	1.62	1.32
2TMA130050W0060	H8237-5W-03	1.83	1.76	1.62	1.32
2TMA130050B0058	H8237-4B-03	1.73	1.69	1.62	1.32

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2TMA130050W0058	H8237-4W-03	1.73	1.69	1.62	1.32
2TMA130051B0003	H8237-7B	1.78	1.73	1.62	1.32
2TMA130051W0003	H8237-7W	1.78	1.73	1.62	1.32
2TMA130051B0004	H8237-8BG	1.62	1.62	1.62	1.32
2TMA130051W0005	H8237-9WG	1.70	1.67	1.62	1.32
2TMA130051W0004	H8237-8WG	1.62	1.62	1.62	1.32
2TMA130050W0055	H8237-5W	1.81	1.75	1.62	1.32
2TMA130050B0054	H8237-4B	1.73	1.69	1.62	1.32
2TMA130051W0002	H8237-6W	1.69	1.67	1.62	1.32
2TMA130051B0002	H8237-6B	1.69	1.67	1.62	1.32
2TMA130050B0055	H8237-5B	1.81	1.75	1.62	1.32

Registration number: ABBG-00250-V01.01-EN	Drafting Rules: "PCR-ed4-EN-2021 09 06" Supplemented by "PSR-0005-ed3-EN-2023 06 06"
Verifier accreditation number: VH50	Information and reference documents: www.pep-ecopassport.org
Date of issue: 09-2023	Validity period: 5 years
Independent verification of the declaration and data in compliance with ISO 14025: 2006	
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 complies with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"	

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ABB – ASI15,ASI22,ASM12,ASO05 WELCOME 2-WIRE BUS DOOR ENTRY SYSTEM

PRODUCT ENVIRONMENTAL PROFILE

Environmental Product Declaration



ORGANIZATION	WEBSITE
ABB Xiamen Smart Technology Co., Ltd	https://new.abb.com/cn/en/about/businesses/electrification/xiamen-smart-technology-co
ADDRESS	CONTACT INFORMATION
No.7,Fangshan South Road, Hi-tech area, Torch park, XiangAn District, Xiamen, China (assembly sites)	Mr. Jock zhao Wu, jock-zhao.wu@cn.abb.com

STATUS	SECURITY LEVEL	Registration number	REV.	LANG.	PAGE
Approved	Public	PEP ecopassport®ABBG-00042-V01.01-EN	A	en	1/11

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General Information

Reference product	One set of door entry system (Welcome 2-wire bus door entry system including ASI15, ASI22, ASM12 and ASO05).
Description of the product	The Welcome 2-wire bus door entry system consists of one video outdoor station (ASO05), one power supply facility (ASM12) and video indoor stations (ASI15 &ASI22). It offers a system with HD video communication that can be used for outdoor, indoor, and remote monitoring of residential and functional buildings which are manufactured in ABB Xiamen Smart Technology 1. **Video outdoor station (ASO05):** for visitors to use, press the button to call the corresponding resident. The outdoor station with 5-inch touch screen, is integrated with transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management. 2. **Power supply (ASM12):** power supply, system controller, which supplies power to the system and controls the operation of the entire system. Therefore, electricity consumption in use stage happens on this type of product. 3. **Video indoor stations (ASI15 & ASI22):** used by residents. When a visitor comes to visit, you can see the image of the guest on the indoor machine, and you can talk to the visitor and open the lock for the visitor. There are two sizes of video indoor stations which are ASI15 and ASI22. In addition, it can be a centralized screen for other ABB sub-system, like video surveillance, access control and home automation.
Functional unit	According to the PSR-SPECIFIC RULES FOR Electrical switchgear and control gear Solutions (PSR-0005-ed2-EN-2016), the studied product is covered by 3.13-other equipment, category 2: Active products because the Welcome 2-wire bus door entry system consume energy for its operation. **The Functional unit** is to ensure the Welcome 2-wire bus door entry system provides effective communication between visitors (outdoor) and residents (indoor) over a reference service life of 10 years.
Products concerned	The product includes one ASM12, one ASO05, one ASI15 and one ASI22. ASI15 and ASI22 which are used in two rooms, meaning that the residents can reply to the visitor by ASI15 in one room or ASI22 in another room.

Constituent materials

Table 1 lists the mass of sub-components and weight of packaging for the four components of the reference product-Welcome 2-wire bus door entry system (1 set).

Table 1 Information on mass of sub-components and packaging of each component

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Components	ASO05	ASI15	ASI22	ASM12	Sum
Electronics parts（g）	97.791	202.683	160.519	490.948	951.941
Structural parts （g）	1024.140	124.879	183.827	218.589	1551.435
Package （g）	469.510	158.411	162.097	198.210	988.228
Total Weight（g）	1591.442	485.973	506.443	907.747	3491.604

Detailed constituent materials of the reference product were shown in Figure 1 and then listed in Table 2.

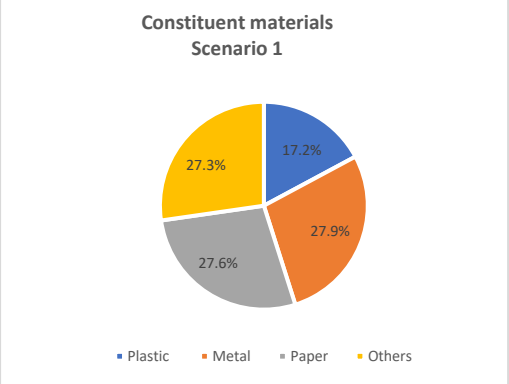


Figure 1 Constituent materials of the reference product

Table 2 Materials distribution of the reference product

Plastics as % of weight		**Metals as % of weight**		**Paper as % of weight**		**Other as % of weight**	
Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%	Name and CAS number	Weight-%
PC	8.7%	Stainless steel	20.9	Paper	27.6%	PCBA	27.3%
PA66	5.1%	Al alloy	3.6%			Others	<0.1%
ABS	1.6%	Low carbon steel	3.3.%				
PMMA foam	0.8%	Copper	0.1%				
PE	0.4%						
Rubber	0.3%						
PF foam	0.2%						
PET	<0.1%						
PU foam	<0.1%						
PE foam	<0.1%						

Environmental impacts

Table 3 Environmental Impacts information

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Reference lifetime		10 years			
Product category		According to the Specific rules for electrical switchgear and control gear Solutions (PSR-0005-ed2-EN-2016 03 29), the product is covered by other equipment – Category 2: active products			
Installation elements		The product is installed manually. There is no input of materials / accessories and energy during the installation. The main environmental impact was caused by the waste generated in this stage.			
Use scenario		The studied product can be used in multiple scenarios to meet the requirements of clients. One particular configuration was studied. During the whole reference service life of the studied product, there is no maintenance or replacement needed. The only input is electricity which makes the product operate under normal conditions. So, energy consumption in the whole reference service time of the product was calculated and modeled. Assumptions were made to calculate the energy used in the RSL of product. Assume that there are three times of visiting every day. And for each component (ASO05, ASI15, ASI22 and ASM12-PS), the working time is 2 minutes for every visit. Thus, the total amount of working time and standby time are 36.50 work hours and 8,723.50 hours in one year. The total consumption of energy is the sum of energy consumption in the RSL of reference product (10 years).			
Geographical representativeness		The studied product is produced in China, however, used in Germany. In general, specific data (primary data) is preferred. However, when the specific data is not available, generic data is used instead. For the selection of generic data for the production related activities in China, an order of local data, national data, Asian data, global data and European data is followed. E.g., Chinese average grid mix was used in the manufacturing stage. For the selection of generic data for the use and end-of-life activities in Germany, an order of local data, national data, European data, and global data is followed. In this study, Germany average grid mix was used in use stage.			
Technological representativeness		In the manufacturing stage, specific data was collected to calculate the environmental impact caused by the manufacturing process. However, for the production of raw materials and sub-components, datasets from Ecoinvent 3.8 were used. During the dataset selection, the technological representation was considered carefully. Datasets with the same production processes were preferred. If not available, datasets with similar production processes were chosen.			
Software and databases used		Simapro version 9.4.04 & databases ecoinvent 3.8 and WEEE			
Standards applied in ABB		ABB had used many recycling materials, e.g., plastic and metal. The products' standards applied include: EN 62368-1:2014/A11:2017 EN IEC 61000-6-1:2019 EN 61000-6-3:2007/A1:2011			
Energy model used	**Manufacturing**	**Distribution**	**Installation**	**Use**	**End of life**

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	The dataset representing the country mix electricity in China “Electricity, middle voltage {CN}| market for	Cut-off, U” from Ecoinvent 3.8 was used.	/	/	The dataset representing the country mix electricity in Germany” Electricity, low voltage {DE}| market for	Cut-off, U”, was used in the model.	Primary data for End-of-life management of the product was not available. According to the PCR, the WEEE LCI was used, meaning that the electricity of France was used.

Table 4 Environmental impact indicators of life cycle Impact assessment

Compulsory Indicators

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Climate change	kg CO2 eq	3.47E+02	9.08E+01	2.70E+01	1.79E+00	2.24E+02	3.09E+00
Climate change - Fossil	kg CO2 eq	3.28E+02	9.13E+01	2.68E+01	2.60E-01	2.07E+02	3.08E+00
Climate change - Biogenic	kg CO2 eq	1.85E+01	-7.26E-01	2.37E-01	1.53E+00	1.74E+01	1.31E-02
Climate change - Land use and LU change	kg CO2 eq	4.85E-01	1.98E-01	1.83E-03	7.96E-05	2.83E-01	1.15E-03
Ozone depletion	kg CFC11 eq	7.11E-05	5.90E-05	6.11E-06	4.29E-08	5.66E-06	3.42E-07
Photochemical ozone formation	kg NMVOC eq	8.14E-01	3.76E-01	1.44E-01	1.04E-03	2.82E-01	1.04E-02
Acidification	mol H+ eq	1.39E+00	6.78E-01	1.39E-01	9.98E-04	5.29E-01	4.06E-02
Eutrophication, freshwater	kg P eq	3.86E-01	7.65E-02	3.70E-04	1.52E-05	3.09E-01	7.97E-05
Eutrophication, marine	kg N eq	3.73E-01	1.44E-01	5.10E-02	3.74E-04	1.54E-01	2.47E-02
Eutrophication, terrestrial	mol N eq	2.93E+00	1.23E+00	5.58E-01	3.65E-03	1.11E+00	3.16E-02
Water use	m3 depriv.	4.14E+01	2.62E+01	2.67E-01	4.61E-02	1.32E+01	1.76E+00
Abiotic resource depletion-fossil	MJ	4.39E+03	1.12E+03	3.76E+02	2.85E+00	2.85E+03	3.84E+01
Abiotic resource depletion-metals and minerals	Sb eq.	2.05E-02	1.86E-02	9.67E-06	6.91E-07	1.83E-03	9.34E-06
Optional Indicators							
Human toxicity, non-cancer	CTUh	7.84E-06	4.90E-06	3.21E-07	5.98E-09	2.34E-06	2.80E-07
Human toxicity, cancer	CTUh	2.69E-07	1.96E-07	2.77E-09	1.61E-10	6.62E-08	3.50E-09
Ecotoxicity, freshwater	CTUe	9.77E+03	6.51E+03	2.04E+02	4.09E+00	2.20E+03	8.47E+02
Land use	Pt	1.24E+03	5.35E+02	5.67E+01	1.91E+00	6.32E+02	1.06E+01
Ecotoxicity, freshwater - organics	CTUe	6.62E+01	3.37E+01	2.39E+01	1.61E-01	7.32E+00	1.10E+00
Ecotoxicity, freshwater - inorganics	CTUe	1.01E+03	7.96E+02	6.40E+01	2.32E+00	1.40E+02	4.18E+00
Ecotoxicity, freshwater - metals	CTUe	8.69E+03	5.68E+03	1.16E+02	1.61E+00	2.05E+03	8.41E+02

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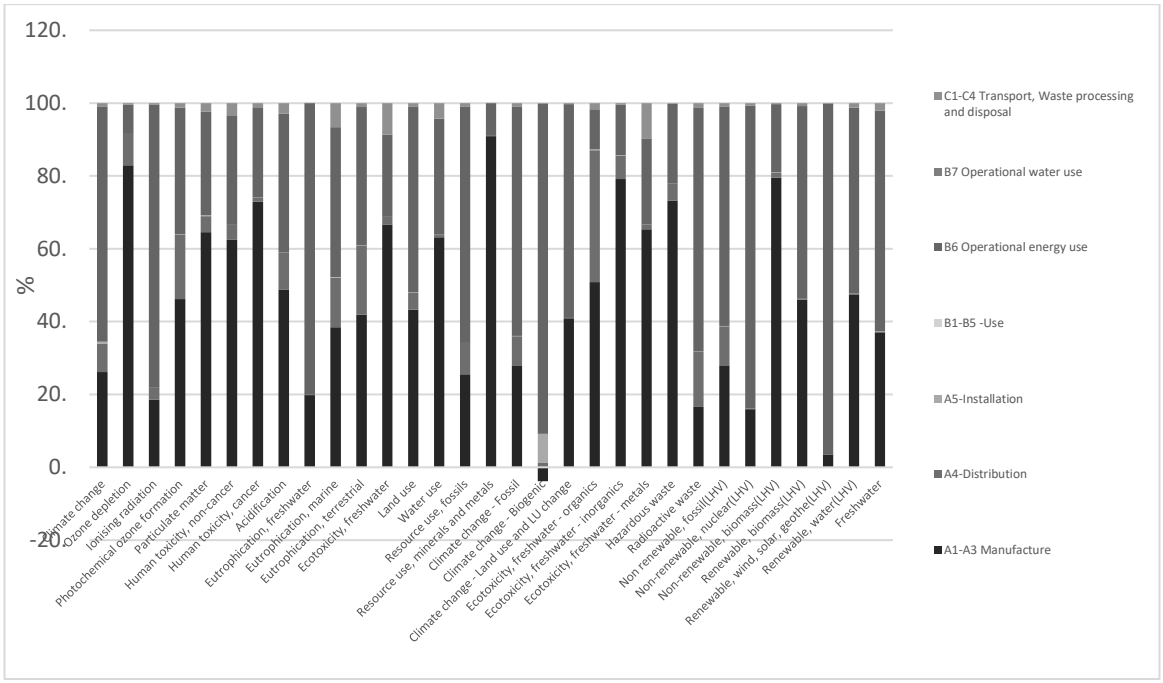


Figure 2 Contributions of life cycle stages to impact indicators (%)

Table 5 Resource use indicators of life cycle Impact assessment

Resource use indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	8.01E+02	1.30E+02	1.27E+00	4.62E-02	6.67E+02	3.40E+00
Use of renewable primary energy resources as raw materials	MJ	1.99E+01	1.99E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources	MJ	8.21E+02	1.50E+02	1.27E+00	4.62E-02	6.67E+02	3.40E+00
Use of non-renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	4.37E+03	1.11E+03	3.76E+02	2.85E+00	2.85E+03	3.84E+01
Use of non-renewable primary energy resources as raw materials	MJ	1.24E+01	1.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	MJ	4.39E+03	1.12E+03	3.76E+02	2.85E+00	2.85E+03	3.84E+01
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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Freshwater	m3	2.30E+00	8.46E-01	1.16E-02	1.57E-03	1.39E+00	4.62E-02

Table 6 Waste category indicators of life cycle Impact assessment

Waste category indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Hazardous waste disposed	kg	2.08E-02	1.53E-02	1.00E-03	7.34E-06	4.55E-03	3.63E-05
Non-hazardous waste disposed	kg	3.86E+01	1.61E+01	1.30E+00	1.15E+00	1.35E+01	6.60E+00
Radioactive waste disposed	kg	1.76E-02	2.92E-03	2.67E-03	1.83E-05	1.18E-02	2.10E-04

Table 7 Output flow indicators

Output flow indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Components for reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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

* Represents less than 0,01% of the total life cycle of the reference flow

Biogenic Carbon of product and packaging

As no biogenic carbon in the product, thus, only the biogenic carbon in the packaging was calculated. Of the product packaging and packaging for transportation, the materials containing biogenic carbon are wood pallet and paper board.

Table 8 Amount of biogenic carbon of product and packaging

Item	Unit (kg of C)	Total
Biogenic carbon content of the product	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	4.47E-01	4.47E-01

The results of module D

Table 9 Environmental impact indicators of module D

Impact indicators	Unit	Module D
Climate change	kg CO2 eq	-6.35E+00
Climate change - Fossil	kg CO2 eq	-7.21E+00
Climate change - Biogenic	kg CO2 eq	8.65E-01
Climate change - Land use and LU change	kg CO2 eq	-6.18E-03
Ozone depletion	kg CFC11 eq	-4.11E-07
Photochemical ozone formation	kg NMVOC eq	-5.61E-02
Acidification	mol H+ eq	-1.71E-01
Eutrophication, freshwater	kg P eq	-3.97E-02
Eutrophication, marine	kg N eq	-8.74E-03
Eutrophication, terrestrial	mol N eq	-2.09E-01
Ecotoxicity, freshwater	CTUe	-1.37E+03
Abiotic resource depletion-fossil	MJ	-6.70E+01

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Abiotic resource depletion-metals and minerals	kg Sb eq	-9.36E-03
Water use	m3 depriv.	-4.68E+00
Optional Indicators		
Human toxicity, non-cancer	CTUh	-1.68E-06
Human toxicity, cancer	CTUh	-3.15E-08
Ecotoxicity, freshwater	CTUe	-1.37E+03
Ecotoxicity, freshwater - organics	CTUe	-1.41E+00
Ecotoxicity, freshwater - inorganics	CTUe	-1.67E+01
Ecotoxicity, freshwater - metals	CTUe	-1.35E+03
Land use	Pt	-1.02E+02

Table 10 Resource use indicators of module D

Resource use indicators	Unit	Module D
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	-6.70E+01
Use of renewable primary energy resources as raw materials	MJ	0.00E+00
Total use of renewable primary energy resources	MJ	-6.70E+01
Use of non-renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	-1.93E+01
Use of non-renewable primary energy resources as raw materials	MJ	0.00E+00
Total use of non-renewable primary energy resources	MJ	-1.93E+01
Use of secondary materials	kg	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00
Freshwater	m3	-1.18E-01

Table 11 Waste category indicators of Module D

Waste category indicators	Unit	Module D
Hazardous waste disposed	kg	-1.90E-04
Non-hazardous waste disposed	kg	1.55E+00
Radioactive waste disposed	kg	-1.83E-04

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Additional Environmental Information

Table 12 The Additional Environmental Information

Manufacturing	*The plant has passed the **ISO** 14001, ISO9001 certification*
Distribution	Packaging weight (product packaging and transportation packaging) is 1146.9 g, consisting of 964.6 g paper, 156.8 g wood and 25.4 g plastic. It indicates that more than 97% of the packaging materials are paper and wood. The paper is from the product packaging which can be recovered as material or energy. Wood is from the packaging for transportation and can be reused several times in practice. After that, it can also be recovered as material or energy.
Installation	The product is installed manually. There is no input of materials / accessories and energy during the installation. So, no extra actions to reduce the environmental impact need to be taken.
Use	Greener electricity (e.g., electricity from PV) can reduce the environmental impact in use stage.
End of life	The recycling of material and recovery of energy can reduce the end-of-life impact. However, as no specific data was provided, in this study, WEEE LCI datasets were used to calculate the load and benefit beyond the studied system boundary.

Additional Product information

Table13 Detailed information of the sales numbers of components

Project No.	Article No.	Description
ASM12-PS	83300 83300-500	System controller
ASO05	A21381P1-S-03 A21381P1-S-04	Outdoor audio station, 1gang
ASI15	83222 U-611 83222 U-625 83222 U-611-500 83222 U-625-500	Indoor video station
ASI22	M22401-W-03	Indoor video station 4.3, WiFi

Environmental Impact Indicator Glossary

Table 14 Environmental Impact Indicator Glossary

Environmental Impact Indicators	Description	Indicators	Unit
Global warming (GW)	Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. Includes fossil and biogenic	Climate change	kg CO_2 eq.
		Climate change - Fossil	kg CO_2 eq.
		Climate change - Biogenic	kg CO_2 eq.
		Climate change - Land use and LU change	kg CO_2 eq.
Ozone depletion (OD)	Indicator of emissions to air that contribute to the destruction of the ozone layer	Ozone depletion	kg CFC-11 eq.
Acidification (AP)	Indicator of the potential acidification of soils and water caused by the release of certain gases to the atmosphere	Acidification	mol 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.	Eutrophication, freshwater	kg P eq.
		Eutrophication, marine	kg N eq
		Eutrophication, terrestrial	mol N eq

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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.	Photochemical ozone formation	kg NMVOC eq.
Water requirement	Indicator of use of water including water use requirement	Water use	m3 of eq.
Depletion of abiotic resources – elements (ADPe)	Indicator of the depletion of natural non-fossil resources	Resource use, minerals and metals	kg Sb eq.
Depletion of abiotic resources – fossil fuels (ADPf)	Indicator of the depletion of natural fossil resources	Resource use, fossils	MJ (lower heating value)
Optional indicators	Indicator of optional environmental impact indicators	Total use of primary energy during the life cycle	MJ
		Ecotoxicity (fresh water), expressed in,	CTUe
		Human toxicity, carcinogenic effects	CTUh
		Human toxicity, non-carcinogenic effects	CTUh
		Impacts related to land use/soil quality	without dimension
Inventory Flow Indicators	**Description**		**Unit**
Resource use indicators	Use of renewable primary energy	Use of renewable primary energy	MJ (lower heating value)
		Use of renewable primary energy resources used as raw materials	MJ
		Total use of renewable primary energy resource	MJ
	Use of non-renewable primary energy	Use of non-renewable primary energy	MJ (lower heating value)
		Use of non-renewable primary energy resources used as raw materials	MJ
		Total use of non-renewable primary energy resources	MJ
Waste category indicators	Indicator of waste	Hazardous waste	Kg
		Non-hazardous Waste	kg
		Radioactive waste	kg
Secondary use	Indicators of describing the use of secondary materials, water and energy resources (e.g., waste combustion)	Use of secondary materials	Kg
		Use of renewable secondary fuels	MJ
		Use of non-renewable secondary fuels	MJ
		Net use of fresh water	m3
Output flow	Indicators of components for reuse, materials for recycling and energy recovery	Components for reuse	Kg
		Materials for recycling	Kg
		Materials for energy recovery,	kg
Other	Indicators of biogenic carbon content	Biogenic carbon content of the product	kg of C
		Biogenic carbon content of the product	kg of C

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The check-list box: For a PEP compliant with PCR ed4-EN-2021 09 06:

Registration number: ABBG-00042-V01.01-EN	Drafting Rules : "PCR-ed4-EN-2021 09 06" Supplemented by *PSR* -0005-ed2-EN-2016
Verifier accreditation number: VH42	Information and reference documents:www.pep-ecopassport.org
Date of issue: *12-2022*	Validity period: 5 years
Independent verification of the declaration and data in compliance with ISO 14025: 2006	
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 complies with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"	

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Erklärung zur REACH - Verordnung

Sehr geehrte Damen und Herren,

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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.

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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

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

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 grasp
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

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	Intermedaiate 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	GEHAEUSE BEFEHLSG. OCEAN
2CKA001724A2753	GEHAEUSE BEFEHLSG. OCEAN
2CKA001724A4264	Cable Entry
2CKA001724A4281	GEHÄUSE
2CKA001724A4282	GEHÄUSE,GELB
2CKA002017A0762	Socket Outlet, SM

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
2CKA002084A0706	Socket Outl. oc 10/16A, 2g
2CKA002084A0710	Double Socket Outlet, SM
2CKA002084A0711	Double Socket Outlet, SM
2CKA002084A0712	SCHUKO® DREIFACHSTECKDOSE
2CKA002084A0713	Double Socket Outlet, SM
2CKA002084A0714	Double Socket Outlet, SM
2CKA002084A0715	Double Socket Outlet, SM
2CKA002084A0716	SCHUKO® DREIFACHSTECKDOSE
2CKA002084A0717	SCHUKO® DOPPELSTECKDOSE
2CKA002084A0718	SCHUKO® Double Socket Outlet
2CKA002084A0719	SCHUKO® ZWEIFACHSTECKD.
2CKA002084A0720	SCHUKO® DOPPELSTECKDOSE
2CKA002084A0721	SCHUKO® DREIFACHSTECKD.
2CKA002084A0722	SCHUKO® ZWEIFACHSTECKD.
2CKA002084A0723	SCHUKO® DOPPELSTECKDOSE
2CKA002084A0724	SCHUKO® 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 (CMC)
2CKA005210A0033	TASTERANKOPPLUNG 2-F (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

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
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

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

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

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°

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

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 Temperaturf.
2CKA006310A0160	Abschlussl. unten Temperaturf.
2CKA006310A0161	Abschlussl. unten Temperaturf.
2CKA006310A0162	Abschlussl. unten Temperaturf.
2CKA006310A0164	Abschlussl. unten Temperaturf.
2CKA006310A0165	Abschlussl. unten Temperaturf.
2CKA006310A0181	ABSCHLUSSLEISTE UNTEN TEMPERATURFÜHLER
2CKA006310A0182	Abschlussleiste unten 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

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

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 Schluesselsch.
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 Glimmlampe
2CKA006599A2905	B-Element mit Glimmlampe
2CKA006599A2907	B-Element mit Glimmlampe
2CKA006599A2922	B-Element mit Glimmlampe
2CKA006599A2923	B-Element mit Glimmlampe
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.

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

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