A smart sensor for everything
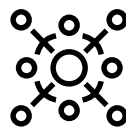## Advantages for you at a glance

The extra-flat KNX sensor fits
into any environment

Flat and theft-proof
The frameless and extra-flat KNX sensor with a
diameter of 9.5 mm sits almost flush with the wall
and blends harmoniously into any wall design.
Peace of mind is provided by the optional removal
guard, which protects the KNX sensor from theft.

Secure access control for the hospitality industry

Hotel access control

The ABB tacteo® KNX range offers secure access control for the hospitality industry. It is particularly practical that the sensor performs all of a hotel's management tasks, which can be controlled from a central point such as the reception desk.

The capacitive glass sensors react without contact

Intuitive operation

The capacitive KNX glass sensors react without any touch or contact. When moving your hand towards the sensor, the status lighting switches on automatically. On the other hand, touching the sensor with the entire palm of your hand triggers a preprogrammed function – such as "switching on the light". With a tap of the finger the desired function can be activated. Easy operation is also ensured by the tried-and-tested colour control concept.

—
ABB tacteo® KNX
The individual touch

Unique in design and function, the intuitive and individually configurable ABB tacteo® KNX sensor is as extraordinary as you are. The impressive, high-quality black or white glass sensor with its capacitive user interface offers virtually unlimited possibilities for intelligent building networking. Heating, ventilation, blinds and lighting can all be controlled to create comfortable everyday situations and put intelligent building management firmly in your hands. Discover more details at **abb.com/tacteo**

ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

Touch Control Element with Bus Coupler, FM
Freely configurable multifunction control element. The icons and/or texts are configured by means of a web configuration tool. With integrated KNX bus coupler. With integrated temperature sensor and proximity function. Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal.

TB/U1.1.1-CG

1-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U1.1.1-CG	2CKA006300A1538		86x86	1
Premium customization [1]	Go to configurator	TB/U1-CG	2CKA006300A1641		86x86	1

TB/U2.4.1-CG

2-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U2.4.1-CG	2CKA006300A1539		86x86	1
Premium customization [1]	Go to configurator	TB/U2-CG	2CKA006300A1642		86x86	1

TB/U2.5.1-CG

2-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U2.5.1-CG	2CKA006300A1540		86x86	1
Premium customization [1]	Go to configurator	TB/U2-CG	2CKA006300A1642		86x86	1
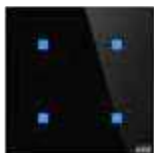
TB/U4.4.1-CG

4-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U4.4.1-CG	2CKA006300A1541		86x86	1
Premium customization [1]	Go to configurator	TB/U4-CG	2CKA006300A1643		86x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

TB/U4.5.1-CG

4-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U4.5.1-CG	2CKA006300A1612		86x86	1
Premium customization [1]	Go to configurator	TB/U4-CG	2CKA006300A1643		86x86	1
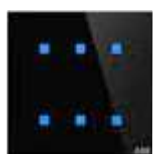
TB/U6.4.1-CG

6-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U6.4.1-CG	2CKA006300A1542		86x86	1
Premium customization [1]	Go to configurator	TB/U6-CG	2CKA006300A1644		86x86	1
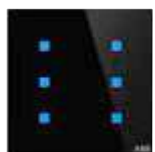
TB/U6.5.1-CG

6-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U6.5.1-CG	2CKA006300A1602		86x86	1
Premium customization [1]	Go to configurator	TB/U6-CG	2CKA006300A1644		86x86	1

TB/U12.7.1-CG

12-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U12.7.1-CG	2CKA006300A1543		86x157	1
Premium customization [1]	Go to configurator	TB/U12-CG	2CKA006300A1645		86x157	1

TB/U12.8.1-CG

12-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U12.8.1-CG	2CKA006300A1544		157x86	1
Premium customization [1]	Go to configurator	TB/U12-CG	2CKA006300A1645		157x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

TBR/U4.7.1-CG

TBR/U4.8.1-CG

Touch Control Element with Room Temperature Controller and Bus Coupler, 4-fold, FM
Freely configurable multifunction control element. The icons and/or texts are configured by means of a web configuration tool. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. Rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function). The controller is a constant room temperature controller for ventilator convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Class of temperature controller 1. Contribution to space heating energy efficiency 1,0 %. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TBR/U4.7.1-CG	2CKA006300A1545		86x157	1
Premium customization [1]	Go to configurator	TBR/U4-CG	2CKA006300A1648		86x157	1
Standard customization [1]	Go to configurator	TBR/U4.8.1-CG	2CKA006300A1546		157x86	1
Premium customization [1]	Go to configurator	TBR/U4-CG	2CKA006300A1648		157x86	1

TR/U.1.1-CG

Touch Room Temperature Controller with Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The controller is a constant room temperature controller for ventilator convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Class of temperature controller 1. Contribution to space heating energy efficiency 1,0 %. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TR/U.1.1-CG	2CKA006300A1547		86x86	1
Premium customization [1]	Go to configurator	TR/U-CG	2CKA006300A1647		86x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

ABB i-bus® KNX

User Operation – Design Ranges – ABB tacteo®

TBW/U.1.1-CG

Busch-Watchdog® 180 Sensor Standard with Bus Coupler, FM
Ordering possible only in connection with the design ID. Movement detector with up to 4 channels. The bus can be connected via enclosed terminal block. With integrated temperature sensor. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TBW/U.1.1-CG	2CKA006300A1548		86x86	1
Premium customization [1]	Go to configurator	TBW/U-CG	2CKA006300A1654		86x86	1

TA/U3.1.1-CG

Room Outdoor Sensor with Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. With integrated KNX bus coupler. With integrated temperature sensor and proximity function. The bus connection is provided via the enclosed bus terminal.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TA/U3.1.1-CG	2CKA006300A1549		86x86	1
Premium customization [1]	Go to configurator	TA/U3-CG	2CKA006300A1646		86x86	1

TLM/U.1.1-CG

Room Outdoor Sensor with Card Reader and Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". For reading and evaluating MIFARE RF cards. It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12…24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TLM/U.1.1-CG	2CKA006300A1550		86x86	1
Premium customization [1]	Go to configurator	TLM/U-CG	2CKA006300A1651		86x86	1

[1] The individual design can be selected via the website:
  URL: https://tacteo-configurator.eu.mybuildings.abb.com/

TKK/U.1.1-CG

Card Holder with Bus Coupler, universal

Ordering possible only in connection with the design ID. For inserting not programmed MIFARE RF cards. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room".

It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white =neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal.

The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TKK/U.1.1-CG	2CKA006300A1552		86x86	1
Premium customization [1]	Go to configurator	TKK/U-CG	2CKA006300A1649		86x86	1

TKM/U.1.1-CG

Card Holder with Bus Coupler, programmable

Ordering possible only in connection with the design ID. For inserting and evaluating of programmed MIFARE RF cards. The icons and/or texts are configured by means of a web configuration tool. With integrated KNX bus coupler. Freely programmable function "Do not disturb", "Bell" and "Make up room". It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TKM/U.1.1-CG	2CKA006300A1553		86x86	1
Premium customization [1]	Go to configurator	TKM/U-CG	2CKA006300A1650		86x86	1

[1] The individual design can be selected via the website:
 URL: https://tacteo-configurator.eu.mybuildings.abb.com/

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ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

TSM/U.2.1-CG

Room Outdoor Sensor with Card Reader, Room Number and Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". For reading and evaluating MIFARE RF cards. With backlit room number. It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TSM/U.2.1-CG	2CKA006300A1555		86x157	1
Premium customization [1] [2]	Go to configurator	TSM/U-CG	2CKA006300A1652		86x157	1

TSN/U.2.1-CG

Room Outdoor Sensor with Room Number and Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". With backlit room number. Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TSN/U.2.1-CG	2CKA006300A1603		86x157	1
Premium customization [1] [2]	Go to configurator	TSN/U-CG	2CKA006300A1653		86x157	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

Touch Control Element with Bus Coupler, FM
Freely configurable multifunction control element. The icons and/or texts are configured by means of a web configuration tool. With integrated KNX bus coupler. With integrated temperature sensor and proximity function. Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal.

TB/U1.3.1-CG

1-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U1.3.1-CG	2CKA006300A1590		115x86	1
Premium customization [1] [2]	Go to configurator	TB/U1-CG	2CKA006300A1641		115x86	1

TB/U2.8.1-CG

2-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U2.8.1-CG	2CKA006300A1579		115x86	1
Premium customization [1] [2]	Go to configurator	TB/U2-CG	2CKA006300A1642		115x86	1

TB/U4.8.1-CG

4-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U4.8.1-CG	2CKA006300A1593		115x86	1
Premium customization [1] [2]	Go to configurator	TB/U4-CG	2CKA006300A1643		115x86	1

TB/U6.8.1-CG

6-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U6.8.1-CG	2CKA006300A1594		115x86	1
Premium customization [1] [2]	Go to configurator	TB/U6-CG	2CKA006300A1644		115x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

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ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

TR/U.3.1-CG

Touch Room Temperature Controller with Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are config-
ured by means of a web configuration tool. Support of KNX functions through innovative co-
lour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/
no function assigned) or standard illumination red/green. Control element with room ther-
mostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with KNX-Heating ac-
tuator, commercially available valve drives or analogue valve drives (continuous controllers).
The controller is a constant room temperature controller for ventilator convectors (fan coils)
in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can
be switched manually or in automatic mode. Class of temperature controller 1. Contribution
to space heating energy efficiency 1,0 %. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TR/U.3.1-CG	2CKA006300A1595		115x86	1
Premium customization [1] [2]	Go to configurator	TR/U-CG	2CKA006300A1647		115x86	1

TBW/U.3.1-CG

Busch-Watchdog® 180 Sensor Standard with Bus Coupler, FM
Ordering possible only in connection with the design ID. Movement detector with up to
4 channels. The bus can be connected via enclosed terminal block. With integrated tempera-
ture sensor. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TBW/U.3.1-CG	2CKA006300A1596		115x86	1
Premium customization [1] [2]	Go to configurator	TBW/U-CG	2CKA006300A1654		115x86	1

TA/U3.3.1-CG

Room Outdoor Sensor with Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are config-
ured by means of a web configuration tool. Freely programmable function "Do not disturb",
"Bell" and "Make up room". Push switch function: switching / dimming / blind / sending val-
ues / scenes etc. Support of KNX functions through innovative colour concept (yellow=light-
ing, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or
standard illumination red/green. With integrated KNX bus coupler. With integrated tempera-
ture sensor and proximity function. The bus connection is provided via the enclosed bus ter-
minal.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TA/U3.3.1-CG	2CKA006300A1597		115x86	1
Premium customization [1] [2]	Go to configurator	TA/U3-CG	2CKA006300A1646		115x86	1

[1] The individual design can be selected via the website:
 URL: https://tacteo-configurator.eu.mybuildings.abb.com/

TLM/U.3.1-CG

Room Outdoor Sensor with Card Reader and Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". For reading and evaluating MIFARE RF cards. It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TLM/U.3.1-CG	2CKA006300A1599		115x86	1
Premium customization [1] [2]	Go to configurator	TLM/U-CG	2CKA006300A1651		115x86	1

TKK/U.3.1-CG

Card Holder with Bus Coupler, universal
Ordering possible only in connection with the design ID. For inserting not programmed MIFARE RF cards. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values /scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TKK/U.3.1-CG	2CKA006300A1588		115x86	1
Premium customization [1] [2]	Go to configurator	TKK/U-CG	2CKA006300A1649		115x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

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ABB i-bus® KNX

User Operation – Design Ranges – ABB tacteo®

TKM/U.3.1-CG

Card holder with Bus Coupler, programmable
Ordering possible only in connection with the design ID. For inserting and evaluating of MIFARE programmed RF cards. The icons and/or texts are configured by means of a web configuration tool. With integrated KNX bus coupler. Freely programmable function "Do not disturb", "Bell" and "Make up room". It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal. The device requires a 12…24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TKM/U.3.1-CG	2CKA006300A1589		115x86	1
Premium customization [1]	Go to configurator	TKM/U-CG	2CKA006300A1650		115x86	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

Touch Control Element with Bus Coupler, FM
Freely configurable multifunction control element. The icons and/or texts are configured by means of a web configuration tool. With integrated KNX bus coupler. With integrated temperature sensor and proximity function. Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The bus connection is provided via the enclosed bus terminal.

TB/U1.2.1-CG

1-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U1.2.1-CG	2CKA006300A1578		86x115	1
Premium customization [1] [2]	Go to configurator	TB/U1-CG	2CKA006300A1641		86x115	1

TB/U2.7.1-CG

2-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U2.7.1-CG	2CKA006300A1580		86x115	1
Premium customization [1] [2]	Go to configurator	TB/U2-CG	2CKA006300A1642		86x115	1

TB/U4.7.1-CG

4-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U4.7.1-CG	2CKA006300A1581		86x115	1
Premium customization [1] [2]	Go to configurator	TB/U4-CG	2CKA006300A1643		86x115	1

TB/U6.7.1-CG

6-fold

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TB/U6.7.1-CG	2CKA006300A1582		86x115	1
Premium customization [1] [2]	Go to configurator	TB/U6-CG	2CKA006300A1644		86x115	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

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ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

TR/U.2.1-CG

Touch Room Temperature Controller with Bus Coupler, FM
Ordering possible only in connection with the design ID. The icons and/or texts are config-ured by means of a web configuration tool. Support of KNX functions through innovative co-lour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. Control element with room ther-mostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with KNX-Heating ac-tuator, commercially available valve drives or analogue valve drives (continuous controllers). The controller is a constant room temperature controller for ventilator convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Class of temperature controller 1. Contribution to space heating energy efficiency 1,0 %. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TR/U.2.1-CG	2CKA006300A1583		86x115	1
Premium customization [1] [2]	Go to configurator	TR/U-CG	2CKA006300A1647		86x115	1

TBW/U.2.1-CG

Busch-Watchdog® 180 Sensor Standard with Bus Coupler, FM
Ordering possible only in connection with the design ID. Movement detector with up to 4 channels. The bus can be connected via enclosed terminal block. With integrated tempera-ture sensor. With integrated KNX bus coupler.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TBW/U.2.1-CG	2CKA006300A1584		86x115	1
Premium customization [1] [2]	Go to configurator	TBW/U-CG	2CKA006300A1654		86x115	1

[1] The individual design can be selected via the website:
  URL: https://tacteo-configurator.eu.mybuildings.abb.com/

TA/U3.2.1-CG

Room Outdoor Sensor with Bus Coupler, FM

Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. With integrated KNX bus coupler. With integrated temperature sensor and proximity function. The bus connection is provided via the enclosed bus terminal. The device is mounted exclusively via the Italian flush-mounted device box according to EN60670 (CEI 23-48).

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TA/U3.2.1-CG	2CKA006300A1585		86x115	1
Premium customization [1] [2]	Go to configurator	TA/U3-CG	2CKA006300A1646		86x115	1

TLM/U.2.1-CG

Room Outdoor Sensor with Card Reader and Bus Coupler, FM

Ordering possible only in connection with the design ID. The icons and/or texts are configured by means of a web configuration tool. Freely programmable function "Do not disturb", "Bell" and "Make up room". For reading and evaluating MIFARE RF cards. It is equipped with one relay (4 A @24 V AC/DC). Push switch function: switching / dimming / blind / sending values / scenes etc. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. With integrated temperature sensor. The bus connection is provided via the enclosed bus terminal. The device requires a 12...24 V AC/DC external power supply to ensure its operation even with bus voltage failure.

Description	Standard Design ID	Order details		Price 1 piece	Dimensions	Pack unit
		Type code	Order code	€	mm	pc.
Standard customization [1]	Go to configurator	TLM/U.2.1-CG	2CKA006300A1587		86x115	1
Premium customization [1] [2]	Go to configurator	TLM/U-CG	2CKA006300A1651		86x115	1

[1] The individual design can be selected via the website:
URL: https://tacteo-configurator.eu.mybuildings.abb.com/

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ABB i-bus® KNX
User Operation – Design Ranges – ABB tacteo®

TP/T 1

USB Programmer - MIFARE
USB programmer for programming MIFARE transponder cards for tacteo access control range. The USB programmer has to be connected to the PC using the USB cable provided with the USB programmer. Cards programming has to be performer, using USB programmer, with ABB MiniMAC software.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	TP/T 1	2CSY289621R3801		0.08	1

TZW/U.0.1.CK

Removal protection tool
Tools for the removal of a device with installed removal protection TZE/U.0.11.CK. Installation is carried out on the flush-mounted insert of the device.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	TZW/U.0.1.CK	2CKA006300A1611			

TZE/U.0.1.CK

Removal protection for control elements
Prevents the disassembly of ABB-Tenton® and Busch tacteo® control elements, room temperature controllers, external room sensors and movement detectors.
The tool with the mounted removal protection is disassembled using mounting tool TZW/U.x.x-CK.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	TZE/U.0.1.CK	2CKA006300A1633			

TZE/U.0.2.CK

Removal protection for access control devices for squared, horizontal and room number glass versions
Prevents the disassembly of ABB tacteo® card holders, card readers and external room sensors with/without card readers and room numbers.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	TZE/U.0.2.CK	2CSY245271S3601			

TZE/U.0.3.CK

Removal protection for access control devices for vertical glass versions
Prevents the dismantling of ABB tacteo® card holders, card readers and external room sensors with/without card readers and room numbers.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	TZE/U.0.3.CK	2CSY233741S3611			

TS/T 1
TS/T 1.1

Set of Transponder Cards for Millenium,
Chiara 2 modules and tacteo design programs
The transponder card uses passive transponder technology operating in radio frequency
(MIFARE technology), without the need for contact between the reader and the card itself.
The transponder card is read by swiping it in front of the reader at a maximum distance
of 20 mm (can be reduced according to installation environment).

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
10 transponder cards	–	TS/T 1	2CSY259412R2041		0.02	1
1000 transponder cards	–	TS/T 1.1	2CSY232175R2041		1	1

SW MiniMAC 4.1

MiniMAC software
The management and configuration software ensures bidirectional communication with the
access control system devices, allowing the system's configuration during its installation
and its overall management and supervision.

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code	€	kg	pc.
	–	SW MiniMAC 4.1	2CSY258202R2051		0.005	1