

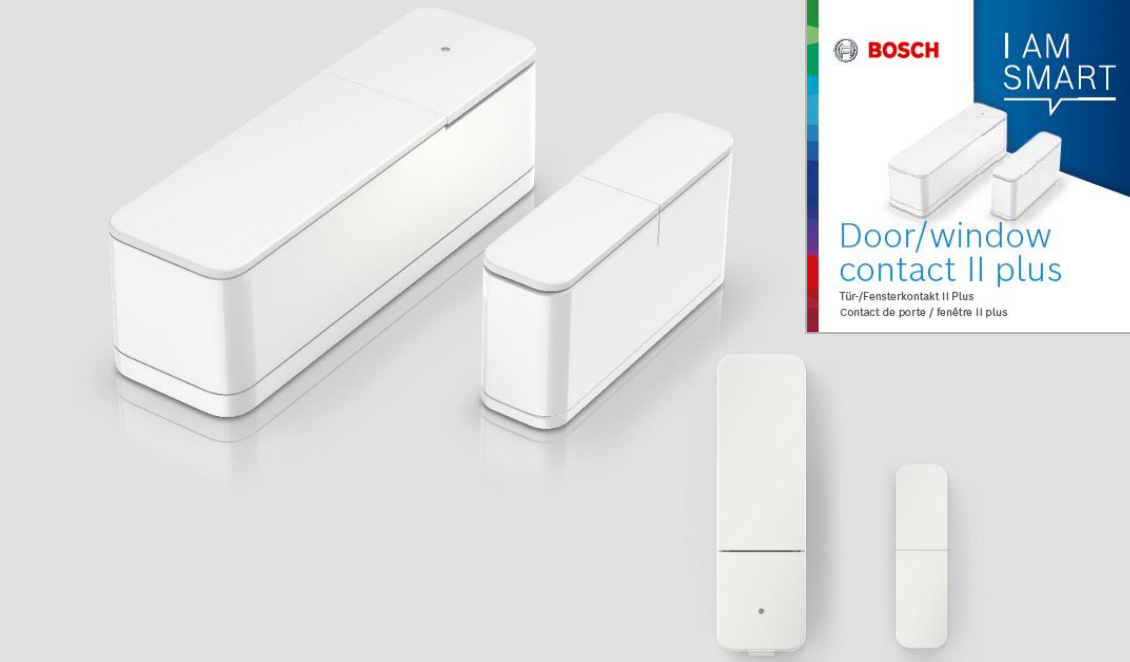
Door-/window contact 2.0

Product Information

Door/window contact II



Door/window contact II plus



1. MAIN BENEFITS & USE CASES

Door/window contact 2.0

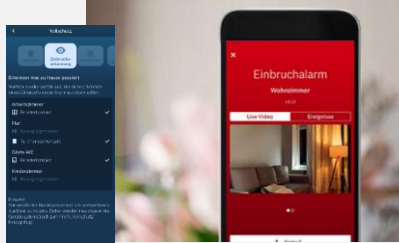
Main use cases & benefits +

- ▶ Check status and get reminder for open doors & windows



+ Preventive protection against burglary – avoid favourable opportunities for burglars

- ▶ Trigger in alarm system: detects unauthorized opening



+ Sound the alarm in case of burglary

- ▶ Detects opening/closing of a window and adjusts the valves on the radiator accordingly



+ Prevents unnecessary energy loss (#sustainable ventilation)

- ▶ Detects the vibration on the door/window caused by a burglary attempt and triggers an alarm



+ Prevents burglaries before they occur

- ▶ Use as HMI / control element to trigger individual actions/scenarios



+ "Bypass" alarm system to let the dog in the garden, control/adjust the shutter, temporary deactivate Eyes camera, ...

- ▶ Trigger & condition for individual automations



+ Make your individual daily routines smart

Door/window contact 2.0

HMI button: More than just a pure DWC!



double
press

Activates “break function”:

The status of the door/window contact is temporarily ignored by the system for a one-time opening/closing operation or a specified time.

- + Possibility to open a door/window when the alarm system is armed without triggering the alarm (e.g. to let the dog into the garden, fluff the bed/pillow, shake out a feather duster, open a window at night in the bedroom ...)

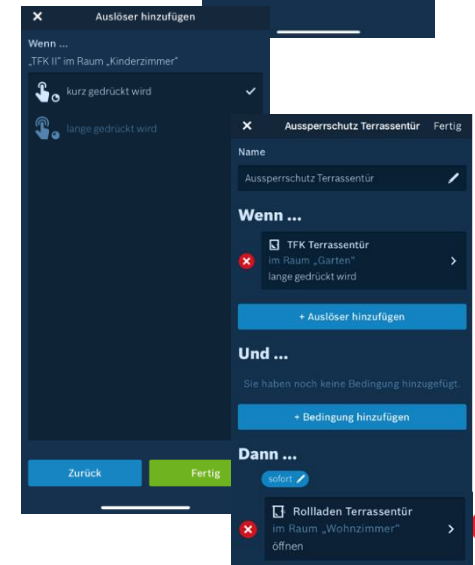
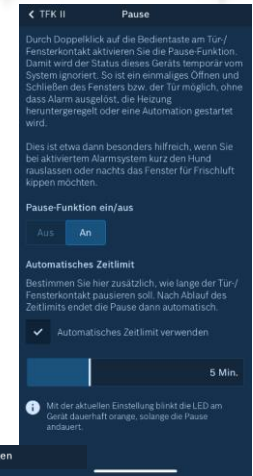
short
press

Trigger individual scenarios & actions:

The automations can be individually configured in the app

- + Door/window contact can be used as HMI element (indoor & outdoor) to control selected functions of the smart home system (e.g. regulate shutter, control smart lamps, (de-)activate Eyes outdoor camera ...)

long
press



Door/window contact 2.0

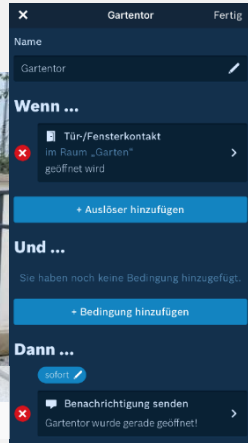
Outdoor usage (due to IP45)



► Garden gate



Get notified when your garden gate is opened!



► Garden shed / bike shed



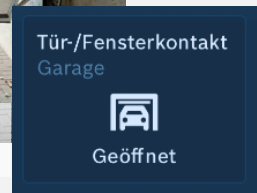
Always be informed!



► Garage door



Always be informed about the status of your garage door!



► Lockout protection



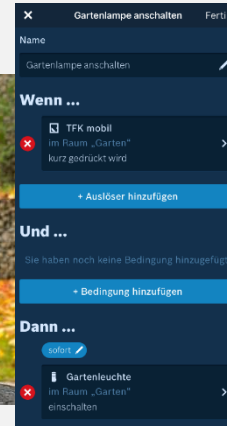
Shutter closed while being outside and smartphone not available? Press button of your DWC to open shutter again!



► Garden lights



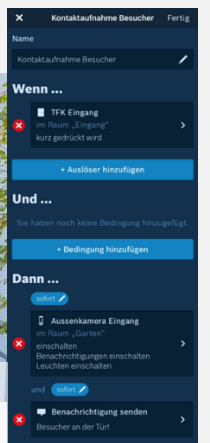
Press the button to switch on your garden lights!



► Front door



Visitors can press the button to activate the Eyes camera (if deactivated) & get you notified!



2. PRODUCT INFORMATION & SPECIFICATION

Door/window contact 2.0

Product Overview (both variants)

Focus Security

Highly reliable - always ready

Hall effect sensor and LiM-battery for a long battery lifetime

! Detect burglars before they get in

Additional sensor **detects vibration** on the door/window caused by a burglary attempt and triggers an alarm (“DWC II plus” only!)

! More convenience for your alarm system with “break function”

Press the button to allow to open a door or window once without the arming going off

Joy-of-Use

Better aesthetics

Less visible thanks to significantly smaller size

! Extended application breadth

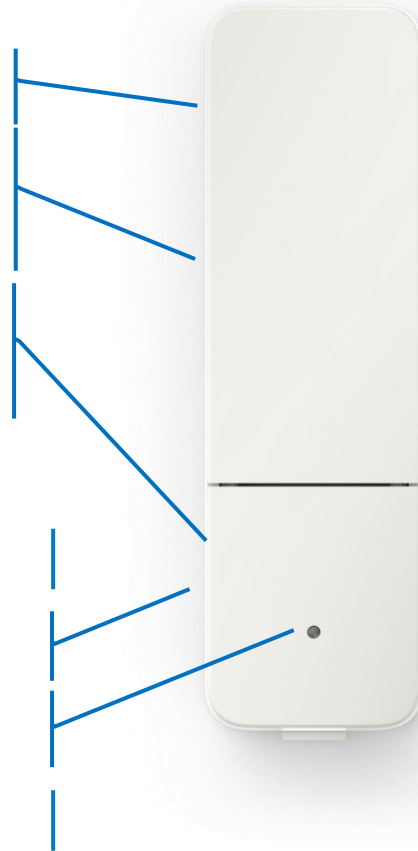
HMI element (“button”) to trigger individual actions/scenarios

RGB LED light

For status information and user feedback

Monitor with your voice

Support of Alexa, Google Assistant and HomeKit



DWC II: Magnetic plate fixed **on top** or **on side** of window wing



DWC II plus: Sensor to be placed on window wing, magnetic device on frame

Ease of installation

! Select your design according to your taste & needs

- **Product variant 1 “DWC II”:** thin magnetic plate for more discreet design (less visible)
- **Product variant 2 “DWC II plus”:** magnetic device with spacer to adjust the height



- **Choose colors:** white or dark grey

Install wherever you want

- Ensures compatibility even with multi-glazed windows
- Indoor, in the garage or even outdoor thanks to IP45

Door/window contact 2.0

Door/window contact II plus – flexible usage



„Pure door-/window contact“
Detection of open / closed only



If vibration detection is
deactivated on device
detail page

„2-in-1“
Detection of open / closed
+ vibration event



„Pure vibration sensor“
Detection of vibration
event only



If used without
magnet device

Door/window contact II plus offers “3 different products in 1”:
It can be used as “pure DWC”, as “2-in-1” or as “pure vibration sensor”

Door/window contact 2.0

Comparison with predecessor

	DWC Gen1	DWC II	DWC II plus	Assessment of DWC Gen 2 vs Gen 1
Model name Device type name (related to sensor)	Door/window contact BSEN-C	Door/window contact II BSEN-C2	Door/window contact II plus BSEN-CV	
Color	silver-white	2 color variants offered: white, anthracite	2 color variants offered: white, anthracite	Data show that approx. 85% of windows are white (GfK Germany 2020; HOME internal survey)
Dimensions of sensor unit (W × H × D)	17 x 104 x 25 mm	22 x 75 x 23 mm	22 x 75 x 23 mm	+ smaller is perceived better
Dimensions of magnet (W × H × D)	48,7 × 12 × 12/18 mm	10 x 20 x 3 mm	13 x 46 x 23/32/41 mm (height can be adjusted with additional spacers à 9 mm)	+ better aesthetics because less visible + better compatibility with multi-glazed windows
Positioning of sensor unit	door/window frame	door/window frame	door/window wing	
Positioning of magnet	door/window wing	door/window wing (on top or side)	door/window frame	
Installation	adhesive tape or screws	adhesive tape or screws (optional) (for magnet adhesive tape only)	adhesive tape or screws (optional)	for Gen 2 - screws are not included in scope of delivery
Radio protocol / frequency	868,3 MHz / 869,525 MHz	ZigBee 3.0 2,4 – 2,4835 GHz	ZigBee 3.0 2,4 – 2,4835 GHz	
Type of sensor	reed switch	hall effect sensor	hall effect sensor, acceleration sensor	
Detected status information	open / closed	open / closed	open / closed / vibration	
Battery type	2 × LR03/Micro/AAA	1 x CR123A	1 x CR123A	Battery already used for Motion Detector. More expensive and not so common as standard batteries - but provides significantly higher capacity and thus a longer lifetime. For DWC II plus variant higher capacity is needed due to higher energy consumption for vibration detection (standard AAA batteries wouldn't provide an acceptable lifetime)
Battery life	< 2 years	< 5 years	< 3 years	

Design & aesthetics

Technical data

Door/window contact 2.0

Comparison with predecessor

	DWC Gen1	DWC II	DWC II plus	Assessment of Gen 2 vs Gen 1
Model name	Door/window contact	Door/window contact II	Door/window contact II plus	
Device type name (related to sensor)	BSEN-C	BSEN-C2	BSEN-CV	
Area of application	indoor	indoor & outdoor	indoor & outdoor	
Protection class	IP20	IP45	IP45	+ Outdoor use cases are feasible and wanted by customers
Additional features & functionality				
HMI element ("button")	no	yes	yes	to trigger individual actions/scenarios via single press and long press
Break function	no	yes	yes	e.g. for alarm system when armed. Press the button to allow to open a door or window once without the arming going off
Works with ...				
Amazon Alexa	no	yes	yes	Gen 1 devices will also be integrated together with Gen 2
Google Assistant	no	yes	yes	Gen 1 devices will also be integrated together with Gen 2
Apple HomeKit	yes	yes	yes	
Spare parts available	no	yes (magnet)	yes (magnet device + spacers)	

3. PACKAGING/ LOGISTICS/ TECHNICAL DATA

Door-/window contact 2.0

Executions



single, white



single, anthracite



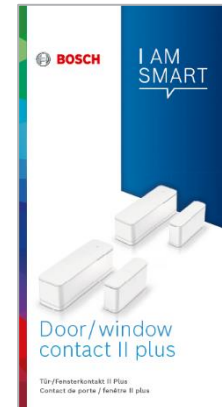
multipack (3pcs), white



single, white



single, anthracite



multipack (2pcs), white

Door-/window contact 2.0

Packaging – increased sustainability



box size 1

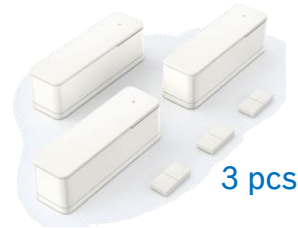


box size 0.5

Single executions of DWC II (Plus) will be delivered in **box size 0.5** (known from water alarm)
→ half size of Gen1



box size 1



3 pcs

or




2 pcs

Multipacks (2pcs / 3pcs *) will be delivered in **box size 1**
→ same box size as Gen1 but with double/triple content

*see previous slide

Sustainability 

Advantages

- ▶ 50% less material
 - ▶ Less material costs
 - ▶ Less packaging waste 
- ▶ 100% more space on an Euro-pallet
 - ▶ Less transportation costs
 - ▶ Less CO₂ 
- ▶ 100% more space in the POS

Door-/window contact 2.0

Logistics data - Door/window contact II



Product name	Door/window contact II
Customs Code	85311095900
Power Source	1x 3V CR123A Li-battery
Country of Origin	China

* EU14 = DE, AT, CH, FR, BE, NL, LU
IT, ES, PT, DK, SE, NO, FI
**sensor incl. battery
***Sellable SKU (incl. packaging)



Single execution (1 pc) - WHITE



Part-Nr.	8-750-002-090
EAN	4062321542559
Countries	EU14* + GB
Net weight** (sensor / magnet)	38 g / 5 g
Gross weight***	140 g
Packaging dimensions (HxDxW)	92 x 53 x 92 mm Box 0.5 Pallet: 120 x 80 x 112
Number of pcs per overpack	64 pcs
Products per pallet	1.536 pcs
Weight of fully equipped pallet	251,9 kg (w/ pallet) 229,9 kg (w/o pallet)
Number of products per layer	384
Number of layers per pallet	4

Single execution (1 pc) - ANTHRACITE



Part-Nr.	8-750-002-094
EAN	4062321542580
Countries	EU14* + GB
Net weight** (sensor / magnet)	38 g / 5 g
Gross weight***	140 g
Packaging dimensions (HxDxW)	92 x 53 x 92 mm Box 0.5 Pallet: 120 x 80 x 112
Number of pcs per overpack	64 pcs
Products per pallet	1.536 pcs
Weight of fully equipped pallet	251,9 kg (w/ pallet) 229,9 kg (w/o pallet)
Number of products per layer	384
Number of layers per pallet	4

Tri-Pack (3 pcs) - WHITE



Part-Nr.	8-750-002-107
EAN	4062321542603
Countries	EU14* + GB
Net weight** (sensor / magnet)	(3x) 38 g / 5 g
Gross weight***	260 g
Packaging dimensions (HxDxW)	182 x 53 x 92 mm Box 1 Pallet: 120 x 80 x 112
Number of pcs per overpack	32 pcs
Products per pallet	768 pcs
Weight of fully equipped pallet	229,5 kg (w/ pallet) 207,5 kg (w/o pallet)
Number of products per layer	192
Number of layers per pallet	4

Door-/window contact 2.0

Logistics data - Door/window contact II plus



Product name	Door/window contact II plus
Customs Code	85311095900
Power Source	1x 3V CR123A Li-battery
Country of Origin	China

* EU14 = DE, AT, CH, FR, BE, NL, LU
IT, ES, PT, DK, SE, NO, FI
**sensor incl. battery, magnet w/o spacers
***Sellable SKU (incl. packaging)



Single execution (1 pc) - WHITE



Part-Nr.	8-750-002-092
EAN	4062321542566
Countries	EU14* + GB
Net weight** (sensor / magnet)	38 g / 12 g
Gross weight***	155 g
Packaging dimensions (HxDxW)	92 x 53 x 92 mm Box 0.5 Pallet: 120 x 80 x 112
Number of pcs per overpack	64 pcs
Products per pallet	1.536 pcs
Weight of fully equipped pallet	282,6 kg (w/ pallet) 260,6 kg (w/o pallet)
Number of products per layer	384
Number of layers per pallet	4

Single execution (1 pc) - ANTHRACITE



Part-Nr.	8-750-002-096
EAN	4062321542597
Countries	EU14* + GB
Net weight** (sensor / magnet)	38 g / 12 g
Gross weight***	155 g
Packaging dimensions (HxDxW)	92 x 53 x 92 mm Box 0.5 Pallet: 120 x 80 x 112
Number of pcs per overpack	64 pcs
Products per pallet	1.536 pcs
Weight of fully equipped pallet	282,6 kg (w/ pallet) 260,6 kg (w/o pallet)
Number of products per layer	384
Number of layers per pallet	4

Twin-Pack (2 pcs) - WHITE




Part-Nr.	8-750-002-108
EAN	4062321542610
Countries	EU14* + GB
Net weight** (sensor / magnet)	(2x) 38 g / 12 g
Gross weight***	245 g
Packaging dimensions (HxDxW)	182 x 53 x 92 mm Box 1 Pallet: 120 x 80 x 112
Number of pcs per overpack	32 pcs
Products per pallet	768 pcs
Weight of fully equipped pallet	220 kg (w/ pallet) 198 kg (w/o pallet)
Number of products per layer	192
Number of layers per pallet	4

Door/window contact 2.0

Technical Data

Subject to technical changes

	Door/window contact II 	Door/window contact II plus 
Device type name (related to sensor)	BSEN-C2	BSEN-CV
Protection class	IP45	IP45
Ambient temperature	-20 °C ... +60 °C	-20 °C ... +60 °C
Max. humidity	85% (non-condensing)	85% (non-condensing)
Dimensions of sensor unit (W × H × D)	22 x 75 x 23 mm	22 x 75 x 23 mm
Dimensions of magnet unit (W × H × D)	10 x 20 x 3 mm	13 x 46 x 23/32/41 mm (height per spacer: 9 mm)
Weight of sensor unit (without batteries)	22 g	22 g
Weight of magnet unit *	5 g	12 g (magnet unit), 4 g (per spacer)
Radio frequency band	2,4 – 2,4835 GHz	2,4 – 2,4835 GHz
Radio protocol	ZigBee 3.0	ZigBee 3.0
Max. transmission power	10 mW	10 mW
Radio range in free-field conditions	< 100 m	< 100 m
Software class	A	A
Receiver category	2	2
Batteries	1x CR123A	1x CR123A
Battery life	< 5 years	< 3 years