

QBM PB Coupler

Qualified Bluetooth switch | User interfaces



Product family features

- Qualified Bluetooth Mesh
- Works with OSRAM Hubsense
- Designed for mounting in deep flush device boxes
- Mains powered push button coupler

Product family benefits

- Support up to 4 potential free push buttons
- Enable free selection of switch frames

Areas of application

- Open offices
- Individual offices
- Conference rooms
- Classrooms
- Storage and break areas
- Stairways
- Toilets



Product datasheet

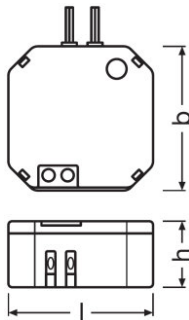
Technical data

Electrical data

System wattage	0.50 W
Standby power	< 0.5W
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Maximum TX power	+4 dBm ¹⁾
Wireless protocol	Qualified Bluetooth mesh
Radio frequency	2.4 GHz
Wireless range	10 m line of sight
Average input current	3.2 mA
Peak input current	4.5 mA

¹⁾ 2.512 mW

Dimensions & weight



Length	49.0 mm
Width	48.0 mm
Height	22.0 mm
Product weight	40.00 g
Wire preparation length, input side	5.0...6.0 mm
Cable cross-section, input side	1.0...4.0 mm ²
Cable cross-section, output side	0.2 mm ²
Cable/wire length, output side	250 mm
Mounting hole diameter	70 mm
Maximum allowed cable length	3 m

Temperatures & operating conditions

Ambient temperature range	-20...+60 °C
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Product datasheet

Permitted rel. humidity during operation	0...85 %
Temperature range at storage	0...60 °C
Permitted relative humidity at storage	0...85 %
Maximum temperature at tc test point	70 °C

Capabilities

Transmitter range	10 m
Control interface	qualified Bluetooth mesh
Number of supported push buttons	4
Type of installation	Integrated in flush device box
Compatibility	Works with OSRAM HubSense ¹⁾
Status Indicator	Blue: Network status / Green: Device identification
Reset	Manual ²⁾
Dimming interface	OSRAM QBM
Control output	OSRAM QBM

¹⁾ See additional product information

²⁾ see additional product information

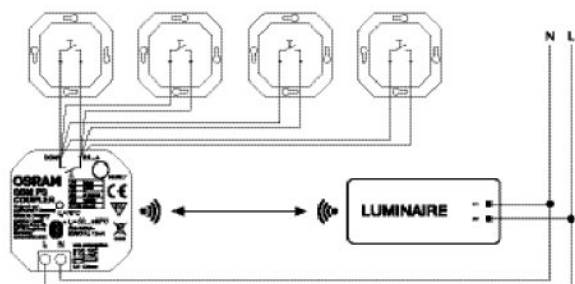
Certificates & standards

Approval marks – approval	CE
Type of protection	IP20
Standards	Acc. to EN 55015/Acc. to ETSI EN 300 328/Acc. to ETSI EN 301 489-17/Acc. to ETSI EN 301 489 - 1/Acc. to EN 62479/Acc. to EN 60669-2-1/Acc. to EN 60669-2-5/Acc. to EN 60669-1

Logistical data

Commodity code	853710989900
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Wiring Diagram









QBM PB Coupler WD 120320

Additional product information

- By integrating the device into a casing the wireless range could be affected, in particular by metal surfaces. Therefore, the wireless range needs to be verified after integration.
- The device could be reset to factory default by pressing the reset button for longer than 10 sec.
- The total wire length to all connected push buttons must not exceed 3 m.
- The blue status LED of the device indicates the following network status. Fast blinking: Not connected to a network. Slow blinking: Connected to a network.
- The green status LED of the device indicate when the device is selected via the HubSense Commissioning Tool.
- The device can be put into operation using the OSRAM HubSense Commissioning Tool (<https://platform.hubsense.eu>), subject to prior acceptance of the Terms of Use and the Privacy Policy.
- OSRAM may terminate or suspend the use of the HubSense Commissioning Tool at any time and for any or no reason in its sole discretion, even if access and use is continued to be allowed to others.
- The device complies with Bluetooth mesh Standard v1.0. It can also be used in 3rd party Bluetooth mesh network, that complies with this standard and that supports the mesh models of this device, and with certain 3rd party commissioning tools, that support the mesh models of this device. In order to ensure correct interoperability a verification with the 3rd party network components and the 3rd party commissioning tool is necessary in advance. Please contact OSRAM (support@hubsense.eu) to receive the actual list of supported models for this device.
- OSRAM shall have no liability for any 3rd party commissioning tool and does not make any representations, express or implied, about the availability and/or performance of such commissioning tool.
- OSRAM shall have no liability for and does not make any representations, express or implied, about the connectivity of OSRAM QBM products with any other products, that have passed the SILVAIR Testing process.

Product datasheet

Download Data

File	
	User instruction QBM PB COUPLER
	Declarations of conformity PB Coupler CE 3755693 231120
	CAD data QBM PB Coupler IGS 270320
	CAD data QBM PB Coupler STEP 270320
	CAD Data 2-dim QBM PB Coupler CAD2PDF 270320
	CAD data 3-dim QBM PB Coupler CAD3PDF 270320

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172146012	QBM PB Coupler	Shipping carton box 60	344 mm x 254 mm x 278 mm	24.29 dm ³	4057.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.