

## 6) Weatherproof MX-Input-Box With 6 Signal Inputs (IP65)



Mounting materials are included in delivery

### For Connecting External Sensors To MOBOTIX Cameras Via MxBus

The MX-Input-Box is a peripheral device that connects to the camera via MxBus and provides it with six electrically isolated, self-powered inputs. Data is transmitted over the MxBus in encrypted format. The box is weatherproof (IP65, -30 °C to +60 °C (-22 °F to +140 °F)) and features a highly compact design (max. width: 8.7 cm).

### MxMessageSystem: Advanced Features For MxBus Modules

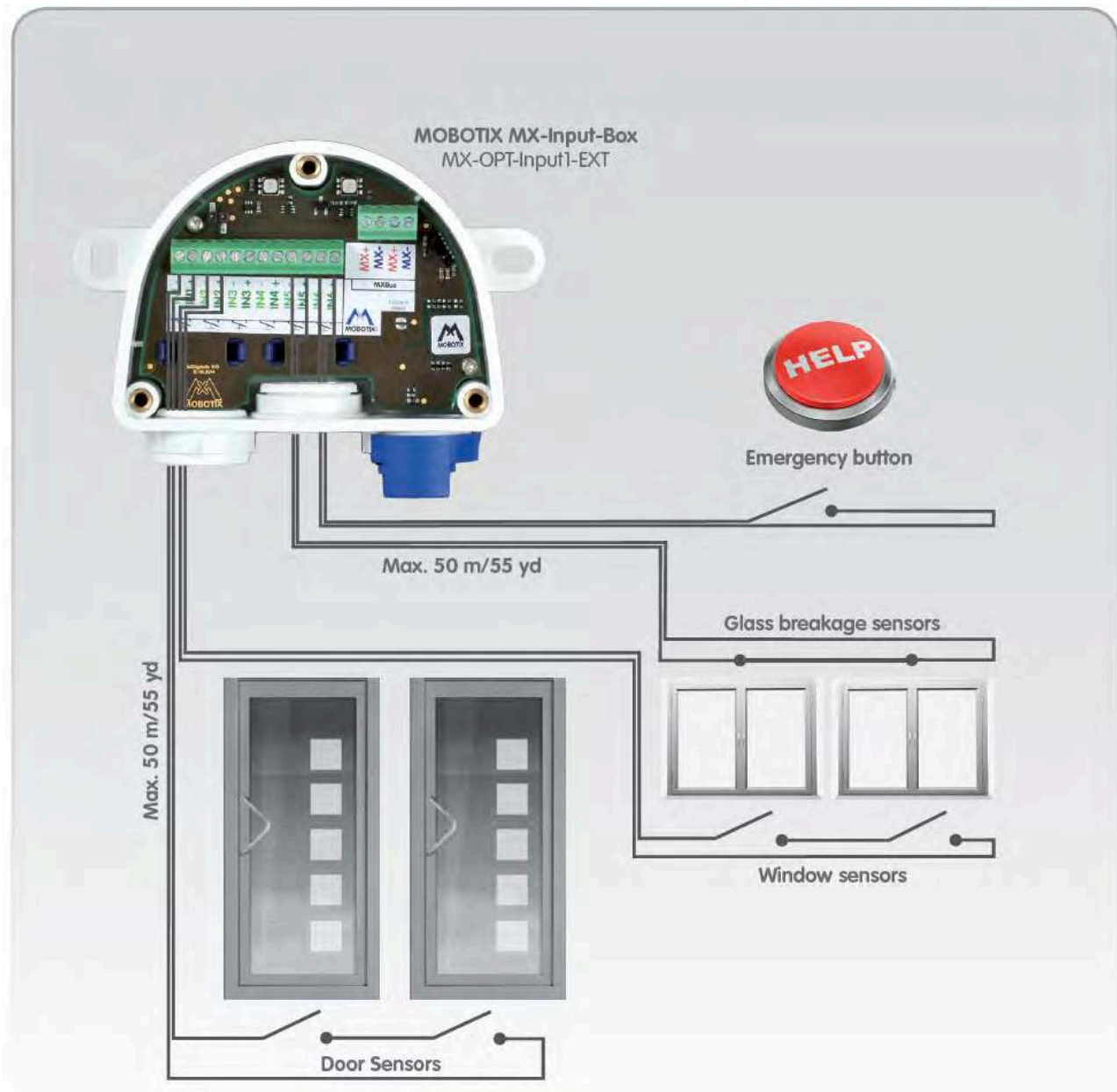
MxBus modules running camera firmware 4.3.0.15 or higher can actively receive and send messages. The MxBus module typically sends a message in response to a sensor being triggered. When an MxBus module receives a message, this can be used to trigger an action.

For example, a triggered sensor signal linked to the MX-Input-Box (caused, for instance, by a door opening) can be used to deliver a message to the camera or to other MxBus modules, while receiving a corresponding message, e.g., by an MX-232-IO-Box, can be used to trigger a signal output (e.g., to actuate a light switch).

Depending on the camera model and the configured PoE class, users can **operate up to seven MxBus modules with a single camera**. So, if an application scenario calls for more than six signal inputs, users can connect multiple MX-Input-Box units. For further information on this topic, check the **release notes** for MOBOTIX camera software **MX-V4.3.0.15** online at [www.mobotix.com](http://www.mobotix.com) > Support.

### MX-Input-Box – Highlights

- Weatherproof interface box (IP65, -30 °C to +60 °C (-22 °F to +140 °F)) with six self-powered inputs
- Simple and fast camera connection via a two-wire MxBus cable (up to 50 m)
- Flexible camera sensor expansion by connecting up to 6 external sensors per box (e.g., window/door contacts, light barriers etc.)
- Intelligent communication with cameras and MxBus modules in common network via MxMessageSystem
- Cables connecting external sensors can be up to 50 m in length



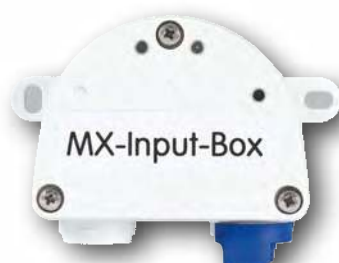
### Concealed Mounting Of Interface Boxes

All interface boxes can be mounted safely out of reach in the VarioFlex wall mount of M15D and M25M or in the D15D and Q25M/D25M wall mount.



## MX-Input-Box: Technical Data

Product Designation	MX-OPT-Input1-EXT
Ambient temperature	-30 to 60 °C (-22 to 140 °F)
IP protection class acc. to DIN EN 60529	IP65 (dust-proof and resistant to water jets)
Designated use	Not for use in areas at risk of explosions • Can be combined with MOBOTIX cameras featuring an MxBus connection
Dimensions (height x width x depth)	63 x 87 x 30 mm
Weight (without packaging)	73 g
Connectors	- MxBus (2 x 2 terminals) - Inputs (6 x 2 terminals)
Number of inputs	6
Included self-powered inputs	6 (5 to 48 V AC/DC)
Voltage range	0 to 48 V AC/DC
Cable length per input	50 m
Terminal specification	AWG21 to AWG27 (wire thicknesses supported at the terminal connectors)
LEDs	2
Power consumption	Typical 0.5 W (max. 1 W)
Housing	PBT GF30
Certifications	- EMV (EN 55022:2010; CISPR22:2008 mod.; EN 55024:2010; EN 61000-6-1: 2007; EN 61000-6-2:2005) - Additional standards (AS/NZS 3548; CFR47, FCC part 15B)
Key function	Inputs can be connected to the MxMessageSystem with multiple messages
Specific information	- Only in connection with the MxMessageSystem - Camera firmware required: 4.3.0.15 and higher
MTBF	> 80,000 h



### MX-Input-Box Ordering Information:

Order Number	EAN	Description	MSRP in EUR	Available as of
MX-OPT-Input1-EXT	4047438021227	Weatherproof integration of external sensors • Camera connection via MxBus • 6 self-powered inputs for connecting up to 6 external sensors • Protection class IP65, -30 to +60 °C (-22 to 140 °F) • Box can be mounted in the M15, M25, D15 and D25 wall mount secured against unauthorized access	128	now