

SECURE AND SIMPLE
ACCESS TO YOUR
SMART HOME

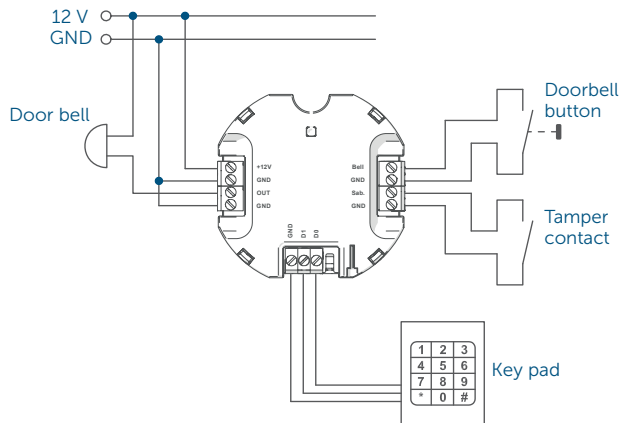
Wiegand interface

HmIP-FWI

The Wiegand interface enables a Wiegand-enabled device, such as a code lock, fingerprint sensor or card/transponder reader, to be integrated into the Homematic IP smart home system. This creates numerous possibilities for controlling Wiegand-compatible devices via the free Homematic IP app and combining them with other Homematic IP devices.



homematic 
Smart living. Simply exciting.



SMART INTERFACE

The Homematic IP Wiegand interface enables many Wiegand-enabled devices, such as a code lock, fingerprint sensor or card/transponder reader, to be integrated into the Homematic IP system.

Using the Homematic IP app, the Wiegand interface can be set up according to individual requirements and Wiegand-enabled devices can be integrated into a smart system. This makes access to a smart home not only secure but also smart and simple.



TECHNICAL SPECIFICATIONS

Supply voltage	5–12 VDC
Power consumption in standby	60 mW
Open-drain output:	
Max. switching voltage	20 V
Max. current	200 mA
Cable type and cross section	0.2 – 1.5 mm
Installation	Only in switch boxes (device boxes) in accordance with DIN 49073-1 or surface-mounting boxes in accordance with DIN 60670-1 (e.g. Abox 025 or Abox 040)
Degree of protection	IP20
Ambient temperature	-10 to +55 °C
Dimensions (W x H x D)	52 x 52 x 14 mm
Weight	20 g
Radio frequency band	868.0–868.6 MHz 869.4–869.65 MHz
Typical range in open space	210 m

INDIVIDUAL CONTROL

The Wiegand interface has eight virtual input channels that can be individually linked to the Wiegand codes. A Wiegand code can control one or more virtual input channels and thus trigger one or more actions (such as switching a switch actuator, opening a door via a door lock actuator or activating/deactivating alarm functions).

AN ARRAY OF POSSIBILITIES

In addition to the Wiegand inputs, the device has an input for connecting a doorbell button, an input for connecting a tamper contact, and a switching output with versatile applications, such as switching an LED or a bell.

SIMPLE INSTALLATION

The Wiegand interface's compact design means it fits into all common flush-mounting boxes. For ease of installation, flush-mounting boxes with a depth >50 mm are recommended.

The versatile wiring options offer the choice of use with the following Wiegand-compatible devices:

- ✓ Code lock
- ✓ Fingerprint sensor
- ✓ Card/transponder reader
- ✓ Doorbell
- ✓ Tamper contact

Operation requires connection to one of the following solutions:

- Homematic IP access point with free smartphone app and free cloud service
- CCU3 central control unit with WebUI local user interface
- Third-party partner solutions

LOGISTICS DATA

Product reference	155182A0
EAN code	4047976551828
Short description	HmlIP-FWI
Packing unit	144
Packing dimensions	122 x 93 x 36 mm
Weight incl. packaging	103.7 g

PACKAGE CONTENTS

Homematic IP Wiegand interface
Operating manual