

INVISIBLE MOTION SOLUTIONS FOR MODERN ARCHITECTURE

UNDERFLOOR SLIDING DOOR

Elegance • Innovation • Performance



HSSMATIC

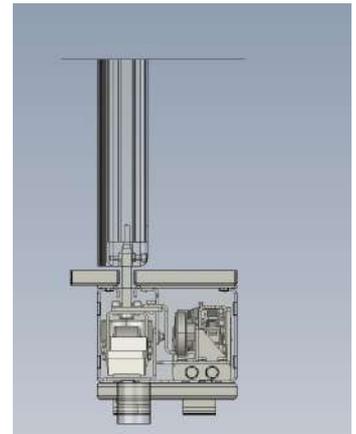
ENGINEERED FOR INVISIBILITY. BUILT FOR PERFORMANCE.

HSSMATIC SUBFLOOR SLIDING SYSTEMS

The HSSMATIC Underfloor Sliding Door System combines invisible design with precision motion. Installed entirely beneath the finished floor, it delivers smooth, powerful performance with zero visual disruption — making it ideal for luxury architecture and frameless glass entrances.

KEY HIGHLIGHTS

- 💡 **Hidden Automation:** Fully embedded motor system with no visible track.
- 💡 **Dual Drive Option:** Standard or PLUS configuration for up to 700 kg doors.
- 💡 **Smart Learning:** Auto-program calibration adjusts to door size and resistance.
- 💡 **Ultra Quiet:** Noise < 50 dB with vibration-damped motor housing.
- 💡 **Precision Speed Control:** Independent acceleration and braking curves.
- 💡 **Continuous Duty:** 100 % operation cycle – built for nonstop use.
- 💡 **Compliant & Safe:** EN 16005 / EN 60335-1 / ISO 13849 certified.



TECHNICAL SPECIFICATIONS

SPECIFICATION	SUBFLOOR SLIDER	SUBFLOOR SLIDER PLUS
Power Input	100 – 240 VAC, 4 A	100 – 240 VAC, 4 A
Control Voltage	36 V DC	2 × 36 V DC
Motor Power	350 W	2 × 350 W
Force Output	350 N	800 N
Max Door Weight	400 kg	700 kg
Door Width Range	1200 – 6000 mm	Same
Dimensions	170 mm (H) × 120 mm (D)	Same
System Weight	35 kg	80 kg
Frequency	50 / 60 Hz	50 / 60 Hz
Operating Temperature	-20 °C to +50 °C	Same
Noise Level	< 50 dB	< 50 dB
Mounting Type	Fully embedded underfloor	Same
Duty Cycle	Continuous (100%)	Continuous (100%)

EFFORTLESS ACCESS, EVERY TIME

SMART CONTROL SYSTEMS

A digital control module with LCD interface, Bluetooth, and web-based configuration allows seamless commissioning. The self-learning drive automatically sets stroke limits, detects obstacles, and adjusts speed and force in real time.

OPERATION MODES

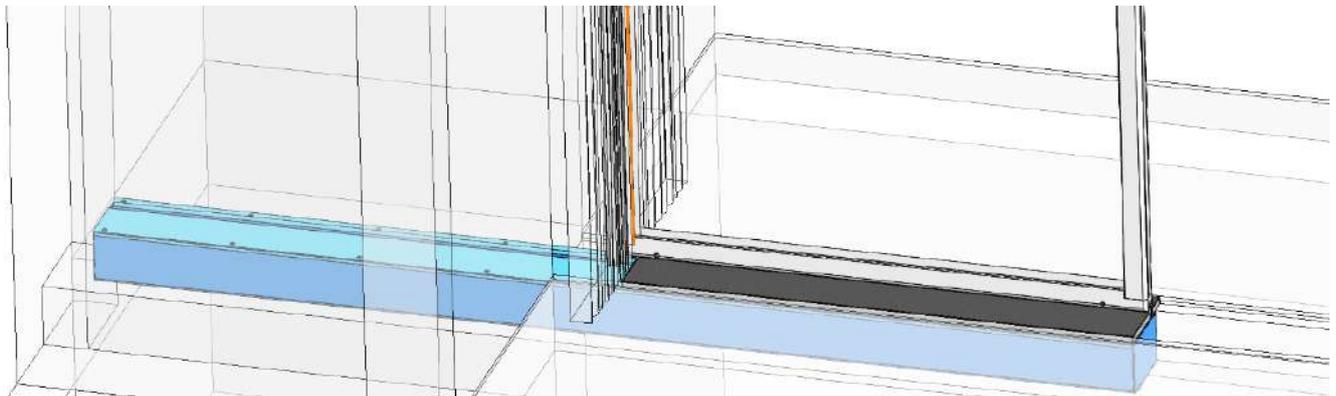
MODE	DESCRIPTION
Pulse Mode	Hold-to-move control for precise manual motion.
Semi-Automatic	Automatic motion until the last 25 cm, then manual control.
Automatic	Fully automated open/close operation with sensors.
Automatic Pulse	Step sequence: Open > Stop > Close > Stop.

SAFETY & MAINTENANCE

- ✓ EN 16005-compliant obstacle detection and auto-reverse.
- ✓ Dual safety zones (inside/outside) with self-testing sensors.
- ✓ Emergency unlock using M5 hex key for manual operation.
- ✓ Adjustable force limits and wind-pressure compensation.
- ✓ Factory-set power limit memorization ensures long-term reliability

APPLICATIONS

- Architectural entrances requiring completely hidden automation.
- Glass or timber sliding panels in premium interiors.
- Airports | Museums | Hotels | Corporate offices | Residences.



WHY CHOOSE HSSMATIC?

- 💡 **Proven Reliability** – Engineered for silent, consistent operation under extreme loads.
- 💡 **Global Standards** – Fully compliant with EN 16005, EN 60335-1, EN 12453, ISO 13849.
- 💡 **Intelligent Control** – Bluetooth, web, and CAN-Bus integration.
- 💡 **Architectural Harmony** – Hidden underfloor design preserves pure aesthetics.
- 💡 **Custom Integration** – Supports access control, home automation & fire/safety systems.
- 💡 **After-Sales Assurance** – Professional installation, service, and maintenance support

CONTACT US

DESIGNED FOR VISIONARIES. BUILT FOR BUILDERS.

At HSSMATIC, we don't just create entrances -
we craft architectural experiences.

Our Automatic Sliding Doors with Underfloor Drives
are engineered to complement the boldest visions
in modern construction.



ARCHITECTURAL HARMONY

Seamless integration
into premium facades
-where form meets
function in perfect
balance.



SMART FUNCTIONALITY

Equipped with
advanced sensors,
access control and
energy-saving automa-
tion as standard
to project specs.



SUSTAINABLE IMPACT

Reduce energy loss,
elevate thermal
performance, and
support LEED and ESG
targets with every
installation



www.hssmatic.com