

Traffic H1

Horizontal barrier

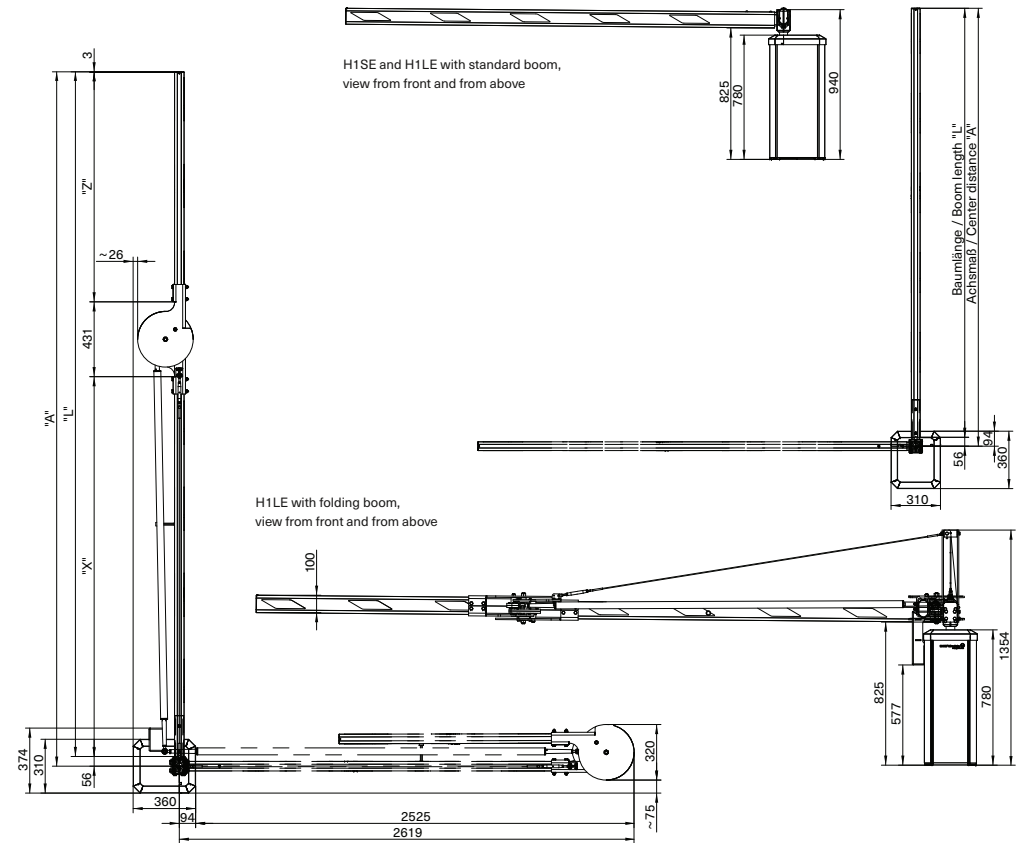
- > High functionality for numerous special applications
- > Patented folding boom for safety at indoor crossings with differing blocking widths
- > Low power consumption for economical operation
- > Optimum accessibility for particularly simple maintenance
- > Shape based on the prize-winning design of the Access barriers



Technical data	H1LE with standard boom	H1LE with folding boom	H1SE
Barrier width	Max. 6.0 m	Max. 5.5 m	Max. 3.5 m
Opening/closing time	4.0 s	4.0 s	2.0 s
Power consumption	Max. 45 W	Max. 45 W	Max. 90 W
Drive technology	MHTM™	MHTM™	MHTM™
Voltage	85–264 VAC, 50/60 Hz	85–264 VAC, 50/60 Hz	85–264 VAC, 50/60 Hz
Duty cycle	100 %	100 %	100 %
Housing dimensions (W x D x H) without support	315 x 360 x 940 mm	–	315 x 360 x 940 mm
Housing dimensions (W x D x H) with support	315 x 360 x 1355 mm	315 x 360 x 1355 mm	–
Enclosure rating	IP 54	IP 54	IP 54
Temperature range	–30 to +55 °C	–30 to +55 °C	–30 to +55 °C
Weight (without boom)	55 kg	55 kg	55 kg

Features	H1LE with standard boom	H1LE with folding boom	H1SE
Standard colours	RAL 2000	RAL 2000	RAL 2000
Barrier boom	MicroBoom-H1	MicroBoom-F1	MicroBoom-H1
Control system	MGC Pro	MGC Pro	MGC Pro
Integrated 2-channel detector for induction loops	Standard	Standard	Standard
Modular expansion of control system	Freely expandable	Freely expandable	Freely expandable
Variable I/O assignment	Standard	Standard	Standard
Number of digital inputs	8	8	8
Number of relay/digital outputs	6/4	6/4	6/4
Input for safety light barrier with test	Standard	Standard	Standard
Selectable closing speed	Standard	Standard	Standard
Selectable opening speed	Standard	Standard	Standard

Dimensional drawings



Horizontal barriers

Barrier boom selection

Rectangular boom (MicroBoom-H1)



- > For blocking width up to 6 m
- > Can be equipped with warning lights

Folding boom (MicroBoom-F)



- > For blocking width up to 5.5 m
- > For safeguarding crossings with different blocking widths
- > Not suitable for outdoor applications

Traffic H1

Horizontal barrier



Products in basic configuration

Article number	Product description
TRAFFIC H1SE-SA00002	Horizontal barrier Traffic H1, opening/closing time 2.0 s, boom length max. 3.5 m
TRAFFIC H1LE-SA00002	Horizontal barrier Traffic H1, opening/closing time 4.0 s, boom length max. 6.0 m

In the basic configuration, the horizontal Traffic barrier is supplied with the MGC Pro control system with 2-channel detector module, boom flange (FLB03), and mounting profiles for rapid and straightforward installation.

Special colours¹ for the barrier housing

Article number	Product description
SL01	Barrier housing and top cover in the same colour, doors in standard colour (black grey, similar RAL 7021) ¹
SL02	Barrier housing, top cover and doors in same colour ¹
SL03	Barrier housing and top cover in the same colour, doors in other selectable colour ¹
SL04	Barrier housing, top cover and doors in different colours ¹

Barrier booms

Article number	Product description
Barrier booms for Traffic H1LE and Traffic H1SE	
MICROBOOM-H1-E025	Standard boom straight 2.5 m ²
MICROBOOM-H1-E030	Standard boom straight 3.0 m ²
MICROBOOM-H1-E035	Standard boom straight 3.5 m ²
MICROBOOM-H1-E045	Standard boom straight 4.5 m ^{2,3}
MICROBOOM-H1-E050	Standard boom straight 5.0 m ^{2,3}
MICROBOOM-H1-E060	Standard boom straight 6.0 m ^{2,3}
MBABS02	Anchoring cable with brackets for standard booms
FLB04	Surcharge for complete flange ⁴
EP01	Extra charge for shortening of barrier boom

Barrier booms only for Traffic H1LE

MICROBOOM-F1-E030	Folding boom 3.0 m ^{2,5}
MICROBOOM-F1-E035	Folding boom 3.5 m ^{2,5}
MICROBOOM-F1-E040	Folding boom 4.0 m ^{2,5}
MICROBOOM-F1-E045	Folding boom 4.5 m ^{2,5}
MICROBOOM-F2-E050	Folding boom 5.0 m ^{2,5}
MICROBOOM-F2-E055	Folding boom 5.5 m ^{2,5}
MBABS03	Anchoring cable with brackets for folding booms up to 4.5 m
MBABS04	Anchoring cable with brackets for folding booms longer than 4.5 m
EP01	Extra charge for shortening of barrier boom

Options and accessories for barriers

Article number	Product description
Induction loops and loop detector module, 2-channel	
IS06	Induction loop 6 m
IS09	Induction loop 9 m
IS12	Induction loop 12 m
IS15	Induction loop 15 m
IS21	Induction loop 21 m
DM02	Loop detector module, 2-channel

Switches and connector sets

SS01	Key switch locked open/momentary close (prepared for profile half-cylinder) ⁵
SS02	Key switch momentary open/close (prepared for profile half-cylinder) ⁵
PHZE01	Individual profile half-cylinder with 3 keys
PHZG01	Keyed alike profile half-cylinder with 3 keys
FWS01	GERMAN fire brigade switch (Standard DIN 3223)
ESM10	Mechanical limit switch, 1 piece with fixing elements (feedback boom position) ⁶
ESM11	Mechanical limit switch, 2 pieces with fixing elements (feedback boom position) ⁶
EP03	Assembly charge for switches
STS01L	Connector set Harting 3-pin + 24-pin, incl. installation on left housing side ⁷
STS01R	Connector set Harting 3-pin + 24-pin, incl. installation on right housing side ⁷
EP26	Charge for milling the cut out of STS01L/R ⁸

Installation accessories

BSS01	Anchor set for barriers and terminal
MP01	Mounting plate complete
EP05	Assembly charge for accessories per mounting plate

Components

AD01	GERMAN power socket ⁹
ZS1K01	Weekly time switch, 1-channel (24 V) ⁹
ZS2K01	Weekly time switch, 2-channel (24 V) ⁹

Service module and software

SM01	Service module for updating the controller software and copying parameters
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For Traffic H1 hand transmitter, desk panels, extension and counting modules as well as signal heads are available if required. Further information as well as the respective article number can be found on page 36 in the column Access Pro-H.

Options and accessories for barrier booms

Article number	Product description
Skirt	
GF01-030-001	Skirt for standard boom with boom length up to 3.3 m ¹⁰
GF01-040-001	Skirt for standard boom with boom length up to 4.3 m ¹⁰
GF01-050-001	Skirt for standard boom with boom length up to 5.3 m ¹⁰
GF02-030-001	Skirt for folding boom with boom length up to 3.1 m ¹⁰
GF02-040-001	Skirt for folding boom with boom length up to 4.1 m ¹⁰
GF02-050-001	Skirt for folding boom with boom length up to 4.5 m ¹⁰

Spare parts

A comprehensive digital list of spare parts for Traffic H1 is available. If necessary, please request this via e-mail to cs@ac-magnetic.com

- ¹ The powder coating with special colours will be provided with coarse structure in a silk glossy powder coating. Colour shades can be selected from the four digit RAL code range. The desired RAL colour has to be specified on the purchase order.
- ² Barrier boom for direct mounting to flange, incl. edge protection.
- ³ When using a barrier boom with a blocking width > 3.5 m, an anchoring cable is required, which must be ordered separately.
- ⁴ Inclination angle approx. +/-1° adjustable.
- ⁵ The rear boom element must be aligned with an anchoring cable. This anchoring cable must be ordered separately.
- ⁶ Up to 2 switches can be mounted on the left side of the housing. Up to 3 switches can be mounted on the right side of the housing. Fire brigade and key switches can be installed. When using a folding boom, the switches can only be installed on the left side of the housing.
- ⁷ The connector sets are attached to the side of the barrier housing and are lockable. The voltage is supplied via a 3-pole connector unit. In addition, 24 poles are available for control inputs or outputs are available. The mating connectors are not included.
- ⁸ When ordering the preparation without installation of the connector set, the preferred side of the self-assembly must be specified.
- ⁹ For the installation a mounting set MPOS is required. This mounting set has to be ordered additionally.
- ¹⁰ The skirt parts will be delivered unassembled. The boom skirt for the straight boom is designed for a maximum boom length of 4.5 m and has a ground distance of 400 mm. Other ground distances are available on request.