



D. C. Holding Magnet Type G MH

With or Without Armature Type G ZZ

Product group

GMH G ZZ

Pamphlet

- To DIN VDE 0580
- High holding force
- Increasing force vs stroke characteristic
- Armature with cardan bearing
- Coil to insulation class B
- Electrical connection and protection rating if mounted properly:
 - With 2 pole terminal block
Protection to DIN VDE 0470/EN 60529 - IP 20
- Type 020
Mounting with centre thread in rear face
- Type 025 to 100
Mounting with three tapped holes in rear face or with centre thread
- Modifications and special designs on request
- Application examples:
Machine tools, feeder mechanisms, lifting-locking-door holding, short stroke operations



Fig. 1: Holding Magnet with armature Type G MH X 065 X20 A01 and Type G ZZ E 065 X00 A01

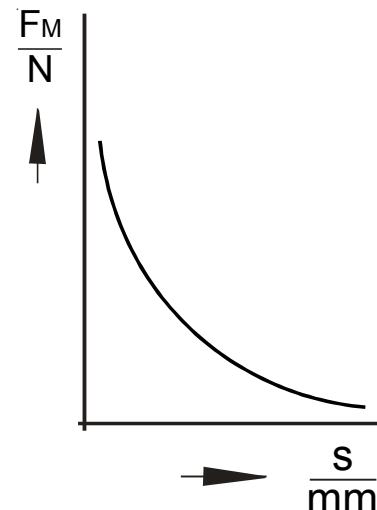


Fig. 2: Magnetic force vs stroke characteristic

Dimensions sheets

Solenoid without armature

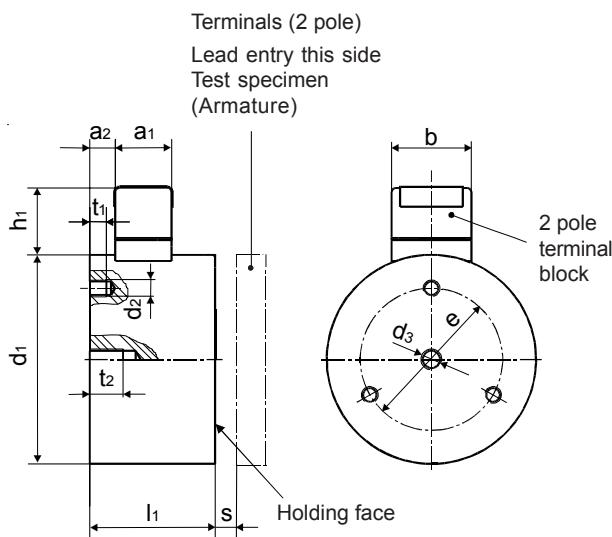


Fig. 3: Type G MH X 025 X 20 A01
to G MH X 100 X 20 A01

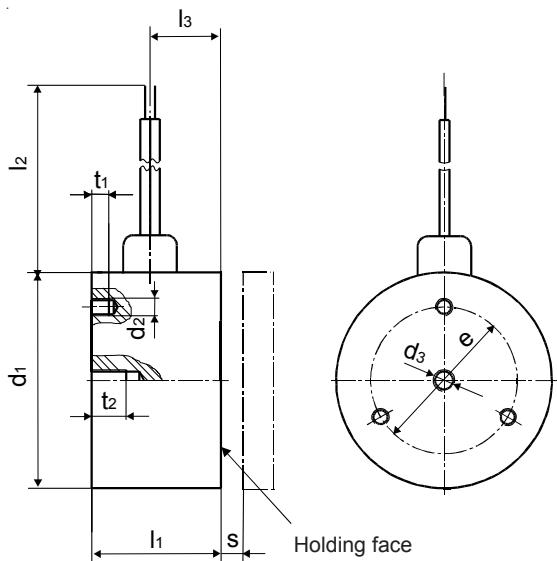


Fig. 4: Type G MH X 020 X 00 A01
and G MH X 030 X 00 A01

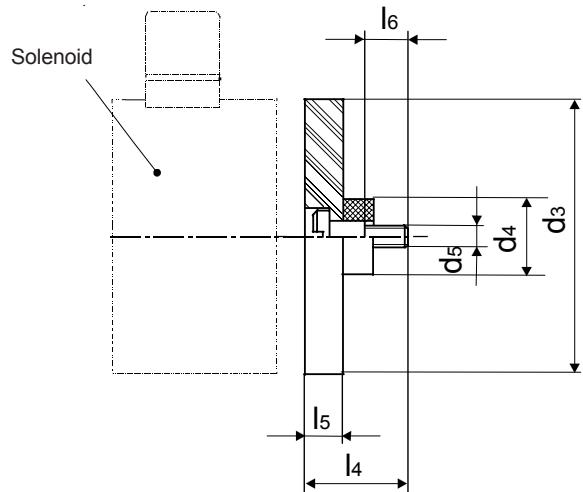
G MH X								
Size	020	025	030	040	050	065	080	100
Dim.	Dims. mm							
a_1	---	13,5	13,5	13,5	13,5	13,5	13,5	13,5
a_2	---	4,5	5,6	6	6	7	8,5	11
b	---	19	19	19	19	19	19	19
d_1	20	25	30	40	50	65	80	100
d_2	---	M3	M3	M4	M4	M5	M6	M6
d_3	M4	M4	M5	M5	M5	M8	M8	M10
e	---	15	18	26	34	40	50	75
h_1	---	16	16	16	16	16	16	16
l_1	15	20	24	27	30	35	38	43
l_2	150	150	150	---	---	---	---	---
l_3	10,5	11,5	15	---	---	---	---	---
t_1	---	3	4	4	4	5	7	7
t_2	4	6	5	8	8	12	12	15

Size 020 with terminal block not available.



QUALITÄT SEIT 1912
QUALITY SINCE 1912

Armature for Solenoid



G ZZ E								
Size	020	025	030	040	050	065	080	100
Dim.	Maße in mm							
d_3	20	25	30	40	50	65	80	100
d_4	7	8	10,5	10,5	10,5	13,5	16	21,5
d_5	M2,5	M3	M4	M4	M4	M5	M6	M8
l_4	8,5	9,5	14	14	15	19	23	26
l_5	2,5	3	5	5	6	8	10	12
l_6	3,5	4,5	6	6	6	7	9	11

Fig. 5: Type G ZZ E 020 X 00 A01
to G ZZ E 100 X 00 A01
(Size 020-030: ... D01)

The solenoid shown is not a ready-to-use device in the sense of DIN VDE 0580. The general requirements and protective measures, which have to be taken by the user, are included in DIN VDE 0580.

Design with plug connector on request.

Order Example

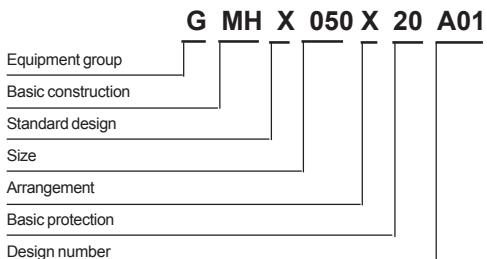
(Holding Magnet without armature)

Type G MH X 050 X20 A01
Voltage == 24 V
Operating mode S1 (100%)

(Holding Magnet with armature)

Type G MH X 050 X20 A01
G ZZ E 050 X00 A01
Voltage == 24 V
Operating mode S1 (100%)

Type code



Specials

Special designs are available on request for which full application conditions should be specified in accordance with our -Technical Explanations.

Permanent holding magnets with D. C. electro-magnet release see pamphlet G MP.