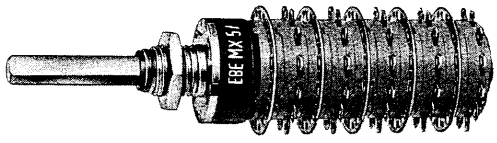
Rotary Wafer Switches

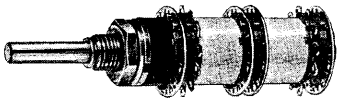
Ordering Code (example)

MX 2 / 4 x 5 u, T = 12, with stop
① ② ③ ④⑤ ⑥ ⑦

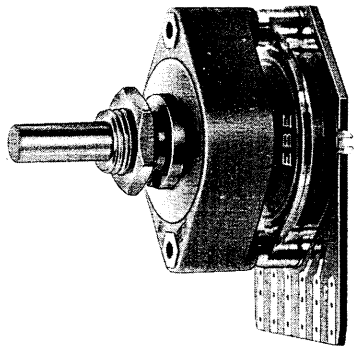
Ag DAP/PPO –
⑧ ⑨ ⑩



MY: 12 mm diameter MX: 17 mm diameter GX: 25,5 mm diameter



MY with spacers and dummy wafer

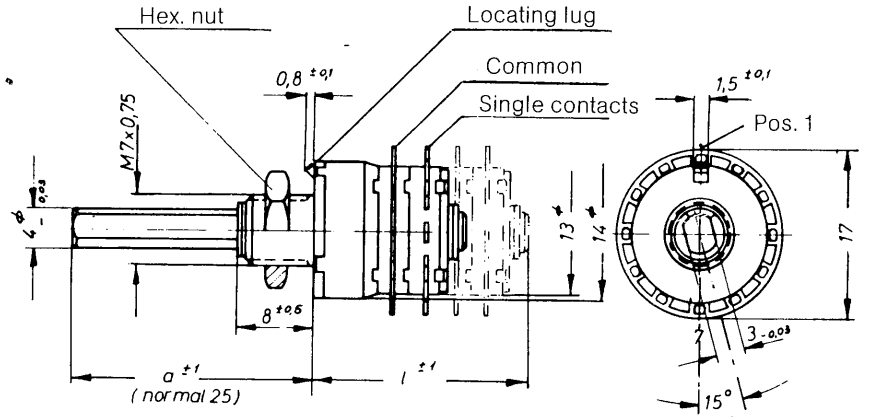


① **Switch type**	**MY**			**MX**			**GX**		**CBS**					
Dimension [mm] **Drawing page**	12 ø 12			17 ø 12			25,5 ø 12		30,5 x 49 13					
② **Wafer (s) per switch** **max.**	4			6			10		3					
③ **Pole (s) per switch** **max.**	6			12			20		3					
④ **No of positions (limited by stops) max. per wafer**	1 x 10 2 x 5	1 x 12 2 x 6 3 x 4	1 x 6 2 x 3 3 x 2	1 x 10 2 x 5	1 x 12 2 x 6 3 x 4 4 x 3	1 x 6 2 x 3 3 x 2 4 x 2	1 x 12 2 x 6 3 x 4 4 x 3 6 x 2	1 x 6 2 x 3 3 x 2 4 x 2	1 x 10	1 x 12	1 x 16	1 x 20 on request only	1 x 23 (1 x 24 only without or with fixed stops)	1 x 31 (1 x 32 only without stops)
⑤ **Contacts u = nonshorting (others k = shorting see below)**	u k	u k	over dummy contacts	u k	u k	over dummy contacts	u k	over dummy contacts	b, bk	b, bk g, gk	b, bk g, gk	b, bk	b, bk g, gk	b, bk g, gk
⑥ **Indexing**	T = 10 (36°)	T = 12 (30°)	T = 6 (60°)	T = 10 (36°)	T = 12 (30°)	T = 6 (60°)	T = 12 (30°)	T = 6 (60°)	T = 10 (36°)	T = 12 (30°)	T = 16 (22,5°)	T = 20 (18°)	T = 24 (15°)	T = 32 (11,25°)
⑦ **Stops (with or without)**	Fixed (factory fitted to order)			Fixed (factory fitted to order)			Fixed (factory fitted to order)		Adjustable					
⑧ **Contact material**	Ag + gold flash Au (5 µm) + gold flash only T = 12/6: Au (1 µm) + gold flash			Ag + gold flash Au + gold flash			Ag + gold flash Au + gold flash Ag/Pd 70/30 + gold flash		Au					
⑨ **Insulating material** **Stator** **Rotor**	DAP Noryl			DAP PPO			DAP PPO		Epoxy paper					
⑩ **Please specify special features**									A: Solder and plug connection B: Pins for PCB C: Pins for Mini Wire Wrap D: For ribbon cable (on request)					
Resistive load max. [VA]	Ag: 5 Au: 3			Ag: 10 Au: 6			Ag: 15 Au: 10		3					
Current switching [A] max. carrying	Ag: 0,2 Au: 0,1 1,5			Ag: 0,5 Au: 0,25 2			Ag: 0,5 Au: 0,25 2		0,1 1					
Voltage switching max. [V]	Ag: 115 ≅ Ag: 60 ≅			Ag: 115 ≅ Ag: 60 ≅			Ag: 125 ≅ Ag: 60 ≅		60 ≅					
Initial contact resistance [m Ω]	Ag: ≦ 20 Ag: ≦ 25			Ag: ≦ 20 Ag: ≦ 25			Ag: ≦ 20 Ag: ≦ 25		≦ 110					
Proof voltage contacts [V_{eff}] frame	700 800			900 1000			1000 1300		500 700					
Insulation resistance [Ω]	≧ 1 x 10^{11}			≧ 1 x 10^{11}			≧ 1 x 10^{11}		≧ 5 x 10^{10}					
Life [Cycles]	≧ 25000			≧ 25000			≧ 25000		≧ 25000					
Temperature range [°C]	−40°...+85°			−40°...+85°			−40°...+85°		−40°...+85°					
Stop strength max. [Nm]	0,5			0,7			1,25		1,5					
Operating torque with 1 wafer [Nm]	0,03			0,035			0,06		0,09					
Special features														
⑤ **Alternative contact arrangements** **b = binary code** **bk = binary compl. code** **g = gray code** **gk = gray code compl.** **hd = hexadecimal**	Mounting bush water sealed Binary and binary complement coded on two wafers, Spacers between wafers (T = 12) Special cut-out of contactrings			Same as MY, plus Dual concentric shaft MXR: First or last position biased to next MXS: Push to turn feature S40MX: Key operated switch			Same as MY plus Dual concentric shaft		Mounting bush water sealed Additional attached std. BS wafers (page 5) With diodes for decoupling Dual concentric shaft Pins for P.C.B. or Mini Wire Wrap					
	Type MZ is a combination of a MX mechanism and MY wafers, only T = 12 (30°)													

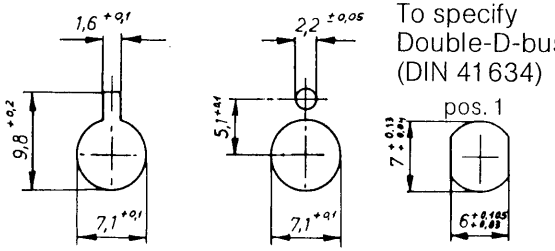
No. of wafers	1	2	3	4
l =	10	14	18	22

Standard shaft length a = 20 ±0,5 mm
Mounting bush water sealed:
Bush length 6,5 mm; dimension l = + 0,5 mm.

MX



Mounting hole in panel

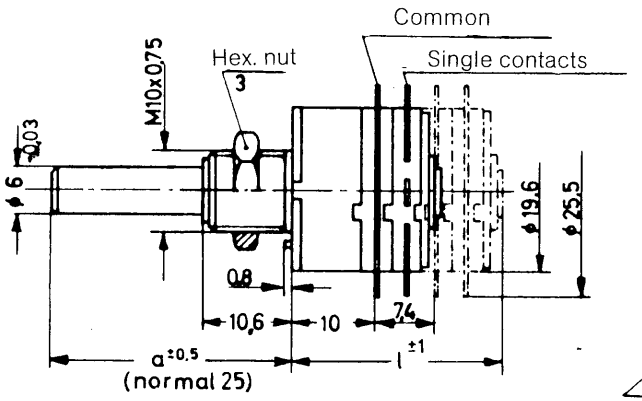


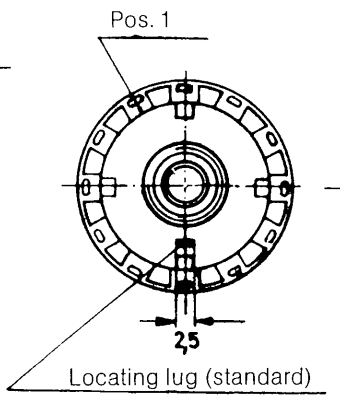
To specify Double-D-busch (DIN 41634)

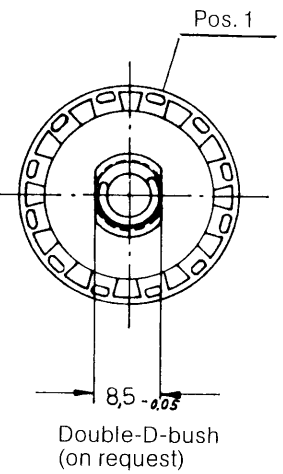
No. of wafers	1	2	3	4	5	6
l =	16	22,5	29	35,5	42	48,5

Standard shaft length a = 25 ±0,5 mm
On request shaft 4 mm ø round.
Mounting bush water sealed: Bush length 7 mm;
shaft 4 mm ø round; mounting hole DIN 41634.

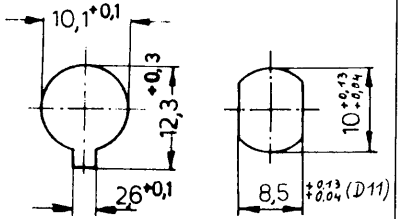
GX







Mounting hole



No. of wafers	1	2	3	each add. wafer
l =	19	26	33,5	7,4

Standard shaft length a = 25 ±0,5 mm
Drawing for sealed bush on request.

Standard contact arrangements

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for nsf (controls) ***manufacturer:***

Other Similar products are found below :

455771MA MK112S 454633MK MU-MKD 454622FPA(MK) MA112S 454623MA MU 454883FPA(MA)