

Rotary Switch GX



Rotary switch with 1 to 10 wafers.

- Multi-wafer switch for conventional wiring.
- 1 to 6 circuits per wafer. Detent angle 30° or 60°.
- Shorting or non-short mode of switching.
- Special version watertight against front panel.
- Greater distances between wafers possible.
- Available with hollow shaft for addition of another switch or potentiometer.

1.0 Construction

1.1 Number of wafers max.	10 wafers
1.2 Switching combinations per wafer Design B, detent angle 60°	1x6 to 1x2; 2x3 to 2x2; 3x2; 4x2
Design E, detent angle 30°	1x12 to 1x2; 2x6 to 2x2; 3x4 to 3x2; 4x3 to 4x2; 6x2
1.3 Contacts	Soldering lugs
1.4 Mounting	Central mounting

2.0 Electrical Data

	Ag-version	AuNi-version
2.1 Switching power max.	15 VA/W	10 VA/W
2.2 Switching voltage max.	125 V–	60 V–
2.3 Switching current max.	0,5 A	0,25 A
2.4 Rest current max. at θ_u 20°C	2 A	2 A
2.5 Test voltage		
between contacts	1000 V	1000 V
at 50 Hz		
contact / ground	1300 V	1300 V
2.6 Life expectancy without electrical load	$\geq 25\,000$ cycles	$\geq 25\,000$ cycles
2.7 Contact resistance initial value	$< 6\,m\Omega$	$< 10\,m\Omega$
2.8 Insulation resistance	$10^{11}\Omega$	$10^{11}\Omega$
2.9 Capacity between 2 contacts	$\sim 1\,pF$	$\sim 1\,pF$

3.0 Mechanical Data

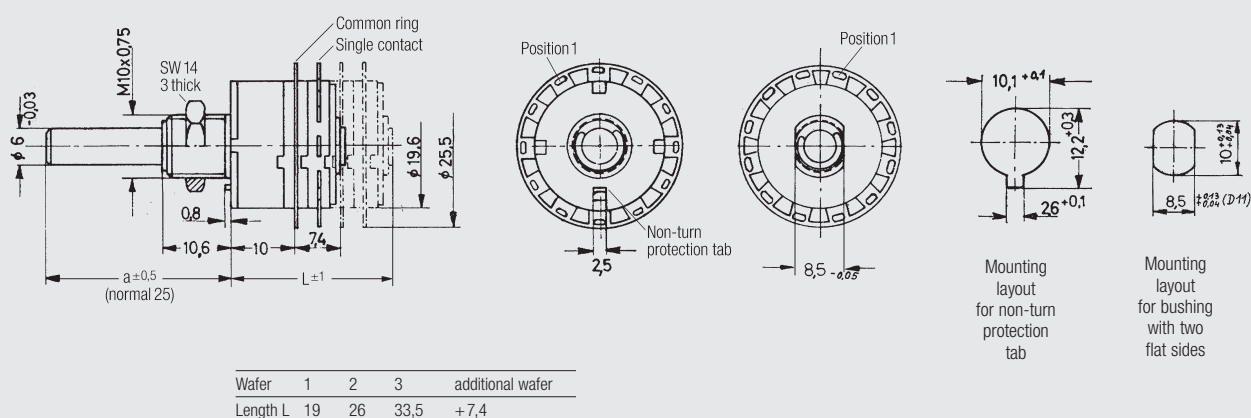
3.1 Switching mode	Shorting or non-shorting
3.2 Stops	Fixed or without stop
3.3 Operating torque acc. to design	$\geq 6\,Ncm$
3.4 Stop strength	$\geq 125\,Ncm$
3.5 Fastening torque max.	$\geq 350\,Ncm$
3.6 Dust protection	Sealed wafer

4.0 Other Data

4.1 Contact material	Ag or AuNi
4.2 Insulating material	Wafer
	Rotor
	Diallylphthalate, DAP; Code DI
	Polycarbonate, PC
4.3 Soldering time and temperature max.	5 s at 260°C
	3 s at 350°C, manual soldering

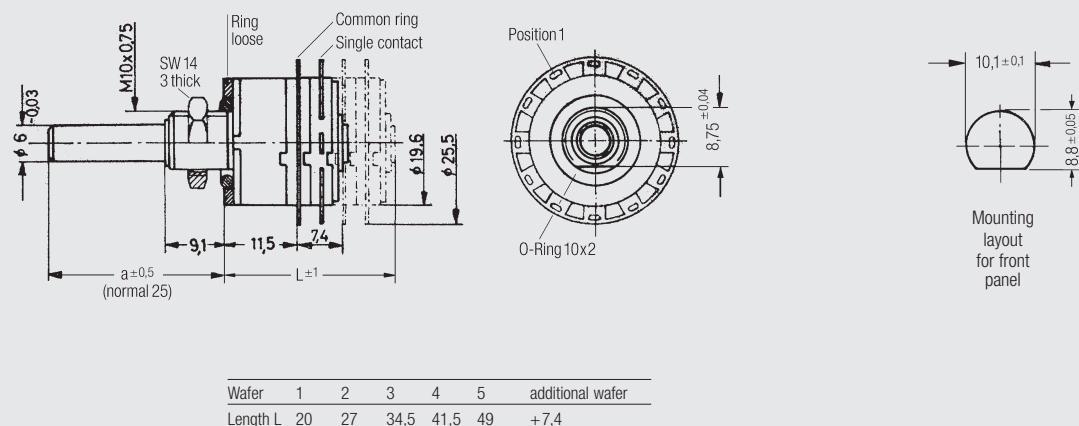
The bold-typed data in the yellow order blocks remain unchanged.
Normal-typed data match the drawings and can be modified according to your wishes.
Blanks need to be completed according to the ordering details on the inside front cover.

Dimensional Drawings · Dimensions in mm



GX - 1 - 2 - 3 - 25.4 - A5 - 6 - 7 - D18 - 9 - 110 - L11

GX · Standard version



GX - 1 - 2 - 3 - 25.4 - A5 - 6 - 7 - D18 - 9 - 110 - L11 - WD13

GX · Watertight version