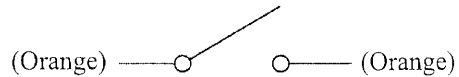


7. Specs. for push button switch (SW5)


- | | |
|------------------------------|---|
| 1) Model No. | ITW 59-111 |
| 2) Rating | 100mA, 50V D.C. (400mA, 32V A.C.) |
| 3) Operating characteristics | Momentary type (SW-ON when pushed) |
| 4) Dielectric strength | 1 minute at 1,000V A.C. |
| 5) Insulation resistance | Over 1,000MΩ at 500V D.C. |
| 6) Mechanical durability | Approx. 1,000,000 operations |
| 7) Electrical durability | Approx. 500,000 operations |
| 8) Circuit diagrams | |



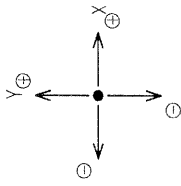
NOTE : The color of leadwire is shown in parenthesis.

OTHERS

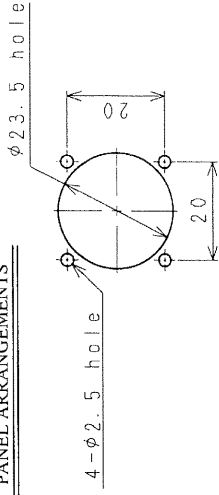
- | | |
|---|--|
| 8. Operating temperature range | -20°C ~ +65°C |
| 9. Vibration | 10 ~ 55Hz, 98m/s² (10G)
(According to MIL-STD-202F-204) |
| 10. Shock | 294m/s² (30G)
(According to MIL-STD-202F-213) |
| 11. Life expectancy | Approx. 1,000,000 operations
<i>(This item shows life expectancy shall be based on test conditions under which lever shall be moved forward and backward per each operation at the speed of 40 c.p.m. in normal room temperature.)</i> |
| 12. Lever strength | Max.50N (Max.5kgf)
<i>(This value shows the value of static load to the part of knob.)</i> |
| 13. Tensile strength of leadwire | Max.10N (Max.1kgf) |
| 14. Ingress protection | IP=40
<i>(This value shows the value from above panel towards knob only.)</i> |
| 15. How to mount joystick controller | As per attached drawing No. 242-7053-3 |
| 16. Important notice for operating joystick controllers | |
| 1) Please refer to precautions for using joystick controllers in our joystick controller catalog. | |
| 2) In case of with spring return device, when repeating spring return action without gripping with hand, the life expectancy may be shorter than specified, because such operation may bring over worn out the resistance element of the potentiometer at the center position and other damages of inner construction. Lever operation is preferably made as slow and stable as possible. | |

SYW.	DATE	DESCRIPTION	APPD.	DESIGNED	DRAWN	CHECKED	APPROVED	TITLE
				<i>Y.L</i>	<i>T.H</i>	<i>M.Y</i>	<i>K.S</i>	MODEL NO. S30JEK-YX-05R2G-7053
				DATE 28. SEP. 2004	3RD ANGLE PROJECTION			DWG. NO. 242-7053-1-2
				 CALDARO AB • Tel +46 (0)8 736 12 70 P.O. Box 30049 • SE-104 25 STOCKHOLM, Sweden			SCALE / UNITS	SHEET 2 OF 4

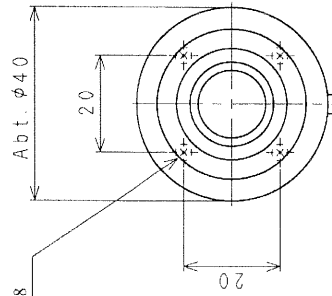
DIRECTION OF LEVER OPERATION (X TYPE)



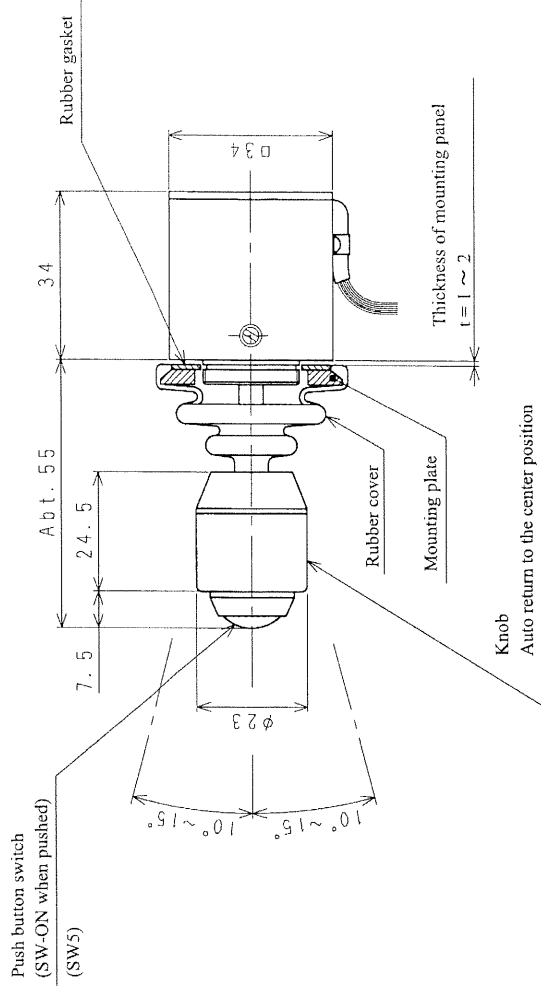
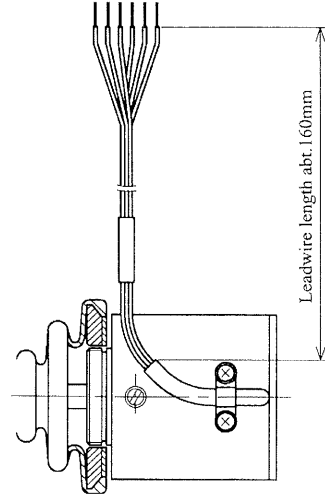
PANEL ARRANGEMENTS



4 positions of fixing screw
pan small screw; ⊕ M2 × 8



Leadwires for X and Y axes switch (SW1 ~ SW4)
and push button switch (SW5)
(X and Y axes switch AWG28)
(Push button switch AWG27)



SYM.	DATE	DESCRIPTION	APPRO.	DESIGNED	DRAWN	CHECKED	APPROVED	TITLE
				Y.J.	T.H.	M.Y.	K.S.	
								MODEL NO. S30JEK-YX-05R2G-7053
								DWG. NO. 242-7053-2
								SCALE 1/1
								SHEET 3 OF 4

DATE 28. SEP. 2004 3RD ANGLE PROJECTION
CALDARO AB - 04-04-008 216 12 70
P.O. Box 10000 - SVEBODEN 25, SVEBODEN, Sweden

