

Standard and Special Specifications Available

As special combinations are not always available,
please consult us before ordering.

Specifications/Model	30JB	30JE	30JH	H30JH	30JL	H30JL	40JB	40JE	H40JH	50JA	H50JA	50JC	60JB	H60JH	90JA	H90JA	90JB	H90JB	C90J	100JB	Remarks		
Directions of Lever Operation	1-and 2-dimensional coordinate type	O	⊙	—	—	—	—	⊙	—	—	⊙	⊙	⊙	—	⊙	⊙	⊙	⊙	⊙	—			
		X	○	○	—	—	—	○	○	—	○	○	○	○	—	○	○	○	○	○	—		
		I	○	○	—	—	⊙	⊙	○	○	—	○	○	○	—	○	○	○	○	○	—		
		Q	○	⊙	—	○	—	—	○	⊙	—	○	○	○	⊙	○	○	○	○	○	○	⊙	
		L	—	—	—	—	—	—	—	—	○	○	○	○	—	○	○	○	○	○	○	—	
	3-dimensional coordinate type	Z	—	—	—	—	—	—	—	—	○	○	—	—	—	—	○	—	—	⊙	—		
		T	○	—	⊙	—	—	—	—	—	○	○	—	○	—	○	○	○	○	○	⊙	—	
		R	—	—	—	—	—	—	—	—	○	○	—	—	—	—	○	—	—	—	—	—	
		U	○	○	—	⊙	—	—	—	⊙	○	○	—	○	—	○	○	○	○	○	○	⊙	note 15
	Other dimensional coordinate type	S	—	—	—	—	—	—	—	○	○	○	—	—	○	○	○	○	○	○	—		
Spring return device	⊙	⊙	⊙	⊙	⊙	⊙	○	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
Dust-proof rubber	○	○	⊙	○	○	○	○	○	⊙	○	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	note 14		
Micro-switch	—	⊙ note 12	○ note 12	—	○ note 2	—	—	—	—	○ note 3	○ note 3	○ note 3	○ note 4	○ note 16	○ note 3	—	○ note 2	○	○	—	Number of switch to be incorporated is depending on models.		
Digital code switch	—	—	—	—	—	—	—	⊙ note 10	—	—	—	—	—	—	—	—	—	—	—	—			
Alteration of potentiometer's total resistance value	○	—	○	—	○	—	○	—	—	○	—	○	○	—	○	—	○	—	○	—	Standard is 10kΩ.		
Intermediate tap of potentiometer	⊙	—	—	—	○	—	○	—	—	○	—	○	○	—	○	—	○	—	○	—	Standard is current tap. (with blind zone of approx. 3°)		
Center position detecting switch	—	—	—	—	—	—	○ note 3	—	—	○ note 3	○ note 3	○ note 3	○ note 6	○ note 3	○ note 3	○ note 3	○ note 7	○ note 7	○	○	Available for 2-dimensional coordinate type only.		
Switch incorporated inside knob	○ note 12	○ note 12	—	—	○ note 12	—	○ note 8	○ note 8	—	○ note 8	○ note 8	○ note 9	○ note 8	○ note 9-11	○ note 11	○ note 11	○ note 11	○ note 11	○ note 11	⊙	Automatically return type.		
Rocker switch incorporated inside knob	—	—	—	—	—	—	—	—	—	—	—	—	○ note 11	○ note 11	○ note 11	○ note 11	○ note 11	○ note 11	—	—	Automatically return type.		
Sub-panel for mounting	○	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	⊙			
Potentiometer's "0" position adjusting mechanism	—	—	—	—	—	—	—	—	—	○	—	○	—	—	○	○	—	—	○	—			
Special knob shapes	○	○	○	—	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—			
Detent mechanism	—	—	—	—	—	—	—	—	—	○	○	○	—	—	○	○	—	—	○	—	Max.7 positions available in each X and Y axis. Max.5 for H50JA.		

- (Note) 1. ⊙means standard specifications ○means special specifications and —means "not available".
2. Life expectancy : min. 100,000 operations under the ratings at 30V.D.C./100mA.
3. Life expectancy : min. 200,000 operations under the ratings at 125V.A.C./5A.
4. Life expectancy : min. 100,000 operations under the ratings at 30V.D.C./100mA.
5. No. of contacts : 3 contacts per 1 circuit, Rating 100V. A.C./200mA Life expectancy: min. 50,000 operations.
6. With 1 pc. each micro-switch for X and Y axis under series connections. Rating 30V.D.C./100mA. Life expectancy: min. 100,000 operations.
7. With 1 pc each micro-switch for X and Y axis under series connections. Rating 30V.D C./100mA. Life expectancy: min. 100,000 operations.
8. Rating 125V.A.C./3A. Life expectancy : min. 25,000 operations.
9. Rating 125V.A.C/3A.Life expectancy : min. 25,000 operations.
10. Rating 12V.D.C./1mA Life expectancy : min. 1,000,000 operations.
11. Rating 250V.A.C./10A Life expectancy : min. 300,000 operations.
12. Rating 24 V.D.C./50mA Life expectancy : 1,000,000 operations.
13. Please apply 0.15W or 5mA, or higher voltage, or higher current to all switches mentioned in the above, When using the switch below the voltage or current values, there may be caused an interruption. If you require to use under such below values, please consult us before ordering.
14. We are using a rather stronger rubber material against environmental conditions for our dust-proof rubber cover and however, when you use it in an atmosphere of oil or lower temperature, please consult us before ordering. Please also note that, when changing the dust-proof rubber covers, some types of them can not be changed by yourselves, which means, in that case, we would kindly request you to return it to do so at our side.
15. Seesaw type potentiometer used.
16. 1 analog output can be used like switch. Available up to 2 switch function.
17. Please consult us for other special specifications except the above-mentioned.
- When the switch is under non-operating condition, the condition between terminals COM and NO is "ON" and when the switch is under operating the condition, between terminal COM and NC is "ON".