

# HY-SQ5/305/255 series

## Cam switch

- Structural design that can check the contact operation state
- Electrical appliances Safety Certification
- Various surface (square, Ø25 round, Ø30 round)
- 3 types of operation handle (H type, R type, P type)
- Switch-board switch A/S, V/S, C/S standard manufacturing product
- Machine tools and various industrial electrical installation circuit formation (order-made)



### ○● Suffix code

Model		Code					Description
Appearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cam switch
	HY-SQ5						Square type cam switch
	HY-255						Ø25 type cam switch
	HY-305						Ø30 type cam switch
Contact type	S						Square type (standard type)
	C						Round type (for HY-SQ5)
Handle type	H						Standard type (standard industrial machine)
	R						Switch-board type (A/S, V/S)
	P						Control switch type (C/S)
Positions selection		2					2 positions selection
		3					3 positions selection
		4					4 positions selection
		5					5 positions selection
		6					6 positions selection
Number of contact unit (number of rows)		1					1 row
		2					2 rows
Serial number (contact formation diagram)		01					Label the serial number of contact formation
		02					diagram in case of order-made product

※ A/S : ammeter converting switch, V/S : voltmeter converting switch

※ Possible to manufacture 20A, 250V product only within the square type contact structure

## ●● Specification

### ■ Contact rating

Rated insulation voltage	600 V	
Rated electro current	10 A	
Contact structure	Double block slow-make 1 position 2 contacts, max line forming: 6 rows (auto-return: up to 3 positions)	
Operation type	Each position stopping type	Spring return type
Angle selection	30°, 45°, 60°, 90°	45°
Position selection	2 Positions ~ 12 Positions	2 Positions ~ 4 Positions
Insulation resistance	100 M $\Omega$ (500 V d.c)	
Dielectric strength	2500 V a.c, for 1min	
Mechanical life expectancy	500 thousand times	
Electrical life expectancy	100 thousand times	
Ambient temperature	-20 ~ 50 °C	
Ambient humidity	-	
Protective structure	305, 255 (Round type) : IP 65	SQ5 (Square type) : IP 40

### ■ Materials of each part

Classification	Materials
Body	Thermal resistance Polycarbonate (PC)
CAM	ACETAL
Contact	Ag + Ni
Terminal	BRASS
Bolt	SWRM
Spring	STAINLESS STEEL
HANDLE	PHENOL RESIN