

Miniature HS5D



HS5D features:

- Detects detachment of head for enhanced safety
- Compact dimensions with up to three contacts
- The head orientation can be rotated, allowing 8 different actuator entries
- NC contacts with direct opening action (IEC/EN60947-5-1)
- M3 terminal screws for easy wiring
- Gold-plated contacts suitable for small loads



Part Numbers

Contact Configuration	Gland Port Size	Plastic Head Type	Metal Head Type
1NC-1NO Main Circuit ⊖ 11 12 Monitor Circuit ⊖ 23 24	G1/2 PG13.5 M20	HS5D-11RN HS5D-11RNP HS5D-11RNM	HS5D-11ZRN HS5D-11ZRNP HS5D-11ZRNM
2NC Main Circuit ⊖ 11 12 Monitor Circuit ⊖ 21 22	G1/2 PG13.5 M20	HS5D-02RN HS5D-02RNP HS5D-02RNM	HS5D-02ZRN HS5D-02ZRNP HS5D-02ZRNM
2NC-1NO Main Circuit ⊖ 11 12 Main Circuit ⊖ 21 22 Monitor Circuit ⊖ 33 34	G1/2 PG13.5 M20	HS5D-12RN HS5D-12RNP HS5D-12RNM	HS5D-12ZRN HS5D-12ZRNP HS5D-12ZRNM
3NC Main Circuit ⊖ 11 12 Main Circuit ⊖ 21 22 Monitor Circuit ⊖ 31 32	G1/2 PG13.5 M20	HS5D-03RN HS5D-03RNP HS5D-03RNM	HS5D-03ZRN HS5D-03ZRNP HS5D-03ZRNM

Standard stock items in bold.

Actuator Keys & Accessories

Item	Part Number	Description
	HS9Z-A51	Straight
	HS9Z-A51A	Straight w/rubber bushings
	HS9Z-A52	Right-angle
	HS9Z-A52A	Right-angle w/rubber bushings
	HS9Z-A55	Angle Adjustable (vertical/horizontal)
	HS9Z-A5P	Plug Actuator
	HS9Z-SH5	Sliding Actuator
	HS9Z-PH5	Padlock Hasp

Actuators are not included and must be ordered separately.

Specifications

Conforming to Standards	ISO14119, EN1088, IEC60947-5-1, EN60947-5-1 (TÜV approval), GS-ET-15 (TÜV approval), UL508, CSA C22.2 No. 14, GB14048.5 (CCC approval), IEC60204-1/EN60204-1 (applicable standards for use)				
Operating Temperature	-30 to +70°C (no freezing)				
Storage Temperature	-40 to +80°C (no freezing)				
Relative Humidity	45 to 85% (no condensation)				
Rated Insulation Voltage (U _i)	300V				
Degree of Protection	IP67 (IEC60529)				
Actuator Operating Speed	0.05 to 1.0m/s				
Direct Opening Travel	10mm minimum				
Direct Opening Force	50N minimum				
Thermal Current (I _m)	10A				
Rated Current (I _b)*	Rated Voltage (U _e)	30V	125V	250V	
	AC	Resistive load (AC-12)	10A	10A	6A
		Inductive Load (AC-15)	10A	5A	3A
	DC	Resistive load (DC-12)	8A	2.2A	1.1A
Inductive Load (DC-13)		4A	1.1A	0.6A	
Minimum Applicable Load (reference)	5V AC/DC, 1mA (Applicable range may vary with operating conditions and load types.)				
Operating Frequency	900 operations per hour				
Mechanical Life	1,000,000 operations minimum (GS-ET-15)				
Electrical Life	100,000 operations minimum (AC-12 250V, 6A)				
	1,000,000 operations minimum (24V AC/DC, 100mA) (operation frequency: 900 operations per hour)				
Weight (approx.)	Plastic head: 80g, Metal head: 110g				

*TÜV rating: AC-15 3A/250V, DC-13 4A/30V

Dimensions (mm)

