

# ISOLATING SWITCH

## HL32-100(PH2-100)

### Isolating Switch



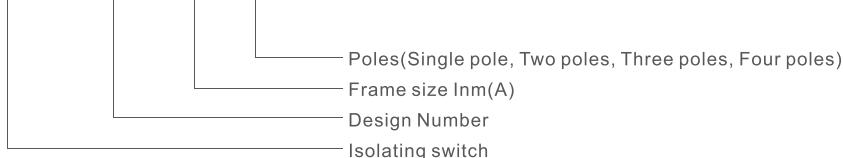
#### General

HL32-100(PH2-100) series isolating switch is applicable to the power distribution and control circuit with an alternating current of 50HZ/60HZ, rated voltage of 230/400V, and rated current up to 100A as master switch of terminal electrical equipment. It can be used to control various motors, small power electric appliance and illumination etc. It is widely used for industrial and mining enterprises, high buildings, commercial places, home and so on.

The product meets the standards of IEC60947-3.

#### Model No.

HL(PH) 32(2)-100/□



#### Product category

3.1 Rated current In: 32A, 63A, 100A;

3.2 Number of poles: Single pole, Two poles, Three poles, Four poles.

#### Technical parameter

	Standard		IEC/EN 60947-3
Electrical features	Rated voltage Ue	V	230/400
	Rated current Ie	A	32, 63, 100
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage Uimp	V	4000
	Rated short-time withstand current Icw		12Ie, 1s
	Rated making and breaking capacity		3Ie, 1.05Ue, cosΦ=0.65
	Rated short circuit making capacity		20Ie, t=0.1s
	Insulation voltage Ui	V	500
	Pollution degree		2
	Use category		AC-22A
Mechanical features	Electrical life		1500
	Mechanical life		8500
	Protection degree		IP20
	Ambient temperature (with daily average≤35°C)	°C	-5...+40
	Storage temperature	°C	-25...+70

	Standard		IEC/EN 60947-3
Electrical features	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm2	50
		AWG	18-1/0
	Terminal size top/bottom for busbar	mm2	25
		AWG	18-3
Tightening torque		N*m	2.5
		In-lbs	22
Connection			From top and bottom

## Main specifications

- 4.1 Rated short-time withstand current: 12In, electrifying time 1s;
- 4.2 Rated short-time making capacity: 20In, electrifying time 0.1s;
- 4.3 Rated making and breaking capacity: 1.05Ue, 3In,  $\cos \phi = 0.65$
- 4.4 Rated limited short-circuit current: 20KA
- 4.5 Operating performance: No load 8500 times, On load 1500 times, 10000 in total.  $\cos \phi = 0.8$ ,  
Operation frequency is 120 times/hour.

## Overall and mounting dimensions(mm)

