



Accessories

Overload Relay

Overload protection: Relay fitted in the starter, protects the motor from over load as per relevant standards established for the protection of motors.

OVER LOAD RELAY RATING	
RATING IN AMP	CATALOGUE CODE
2.4-3.8	OL2P03.8
3.8-6	OL2P06.0
6-9.3	OL2P09.3
8.9-13.5	OL2P13.5
13.2-20	OL2P20.0
17.4-24	OL2P24.0
23-32	OL2P32.0



CONTACT KIT	
RATING AC3 IN AMP	CATALOGUE CODE
12A	SOLAC122P
16A	SOLAC162P
20A	SOLAC202P
25A	SOLAC252P
32A	SOLAC322P
Coil Voltage 160-240	**A5
ADD ON BLOCK O/L RELAY OUT GOING	OLOGB2P24

Add on Block O/L Relay	
Add on Block O/L Relay outgoing	OLOGB2P24

TERMINAL BLOCK	
NO. OF WAYS	CATALOGUE CODE
30A 6WAY	SOTB306
60A 6WAY	SOTB606
30A 3WAY	SOTB303
60A 3WAY	SOTB603
30A 2WAY	SOTB302
60A 2WAY	SOTB602

INDICATING LIGHT	
RED	ILR220
GREEN	ILG220

PUSH BUTTON WITH CONTACT BLOCK	
5A OFF PUSH BUTTON	SOPBC05R
10A ON PUSH BUTTON	SOPBC10G



AMMETER & VOLTMETER	
AMMETER RATING (A)	CATALOGUE CODE
0-10-60	S1PHAM10
0-15-90	S1PHAM15
0-25-150	S1PHAM25
0-50-300	S1PHAM50
VOLTMETER 0-300V	S1PHVM300

Note : For Dimension Details, Please Contact to Your Nearest Branch Office.



HPL Electric & Power Ltd

Corp. Office: Windsor Business Park, B-1D,
Sector-10, Noida, U.P. - 201301, INDIA.
Tel.: +91-120-4656300, Fax: +91-120-4656333
Registered Office: 1/20, Asaf Ali Road, New Delhi - 110 002, INDIA.
E-mail: hpl@hplindia.com

Customer Care No. :
18004190198

www.hplindia.com



Solide Range of Single Phase Submersible Pump Starters



www.hplindia.com



SOLIDE Range of Single Phase Submersible pump starters

HPL Manufactures efficient range of motor starters to meet the demand of various applications of single phase Submersible motor control.

Salient Feature

- The starter operates satisfactorily between 160 to 240V.
- Complete isolation for Motor side terminal after switching OFF Starter.
- Starter provided with O/L Relay has Auto/Manual FIELD SELECTABLE options.
- Starter is provided with 4hole mounting facility.
- Any special coil voltage if required can be supplied on request.

Contactors

HPL AC 2 Pole Contactors (SOLIDE range) are designed to international standard, with many distinctive features & confirms to IEC:60947-4-1.

High grade moulding compound with electric and flame-resistance properties reduce tracking and prolong operational life.

Specially designed magnet system with rubber damper is used to ensures consistent, quiet operation & reduce bouncing.

Exposed metal parts are treated for corrosion resistance and magnet coils run cooler, last longer even in high ambient temperatures.

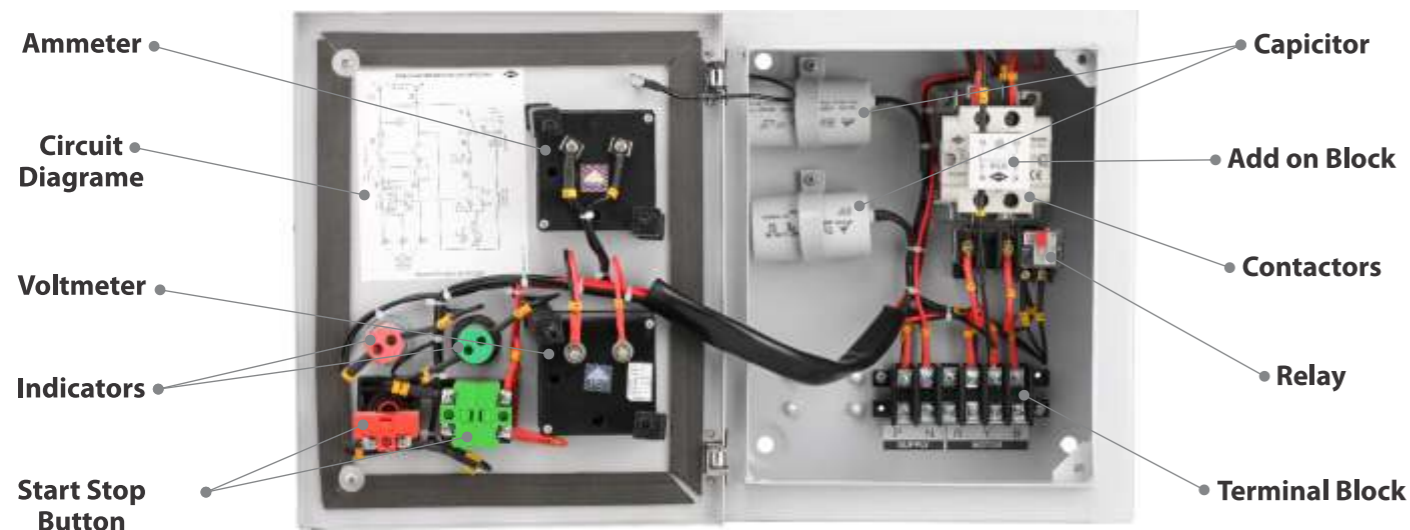
2 Pole Contactor Features

- Conforms to IEC 60947-4-1
 - Reliable operation with compact & robust construction
 - Wide band of Coil voltage 160-240V as standard.
 - Provides Complete isolation of supply to motor when the starter is off with the help of auxiliary contact block
- Contacts are designed with silver-cadmium & it provides weld resistance characteristics & low bounce. Visual indication for ON & OFF from the top is visible

Options Being Offered

- Contactor & MCB
- Contactor, Overload Relay & Ammeter
- Contactor, Overload Relay, Voltmeter & Ammeter

Internal view of Single Phase Panel



Technical Specification

Basic Model



HP at 220V, 50Hz	MCB rating in (A)	Contactor Rating (A)	Run Capacitor (mfd)	Start Capacitor (mfd)	Item Code
0.5	10	16	60-80	25	S1PV0A0C16M10**
1	16	16	80-100	25	S1PV0A0C16M16**
1.5	25	16	100-120	36	S1PV0A0C16M25**
2	32	16	120-150	50	S1PV0A0C16M32**
3	50	20	150-200	72	S1PV0A0C20M50**
3	63	25	200-250	100	S1PV0A0C25M63**
5	80	32	200-250	100+50	S1PV0A0C32M80**

Advance Model



HP at 220V, 50Hz	Overload Relay Range (A)	Contactor Rating (A)	Run Capacitor (mfd)	Start Capacitor (mfd)	Item Code
0.5	2.4- 3.8	16	60-80	25	S1PV0A1C16L3.8**
1	3.8-6	16	80-100	25	S1PV0A1C16L6.0**
1.5	6-9.3	16	100-120	36	S1PV0A1C16L9.3**
2	8.9-13.5	16	120-150	50	S1PV0A1C16L13.5**
3	13.2- 20	20	150-200	72	S1PV0A1C20L20.0**
5	23-32	32	200-250	100+50	S1PV0A1C32L32.0**

Deluxe Model



HP at 220V, 50Hz	Overload Relay Range (A)	Contactor Rating (A)	Run Capacitor (mfd)	Start Capacitor (mfd)	Item Code
0.5	2.4- 3.8	16	60-80	25	S1PV1A1C16L3.8**
1	3.8-6	16	80-100	25	S1PV1A1C16L6.0**
1.5	6-9.3	16	100-120	36	S1PV1A1C16L9.3**
2	8.9-13.5	16	120-150	50	S1PV1A1C16L13.5**
3	13.2- 20	20	150-200	72	S1PV1A1C20L20.0**
5	23-32	32	200-250	100+50	S1PV1A1C32L32.0**

Accessories



CONTACTOR	
RATING AC3 IN AMP	CATALOGUE CODE
12	SOLIDE2P12**
16	SOLIDE2P16**
20	SOLIDE2P20**
25	SOLIDE2P25**
32	SOLIDE2P32**

AUXILIARY BLOCK	
2NO	SOL20

Coil Voltage	
160~220V AC	**A5