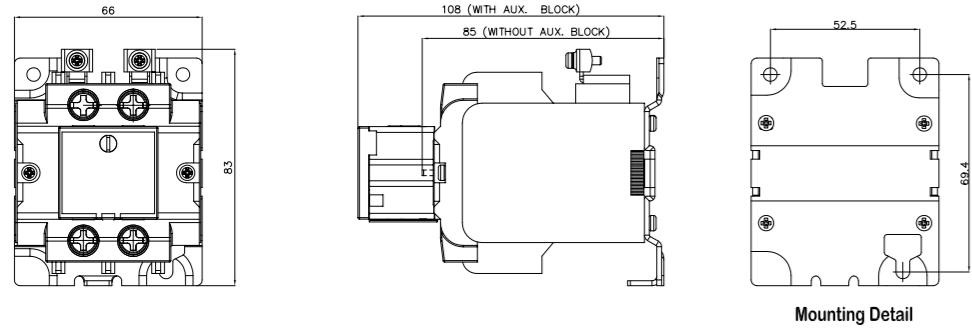


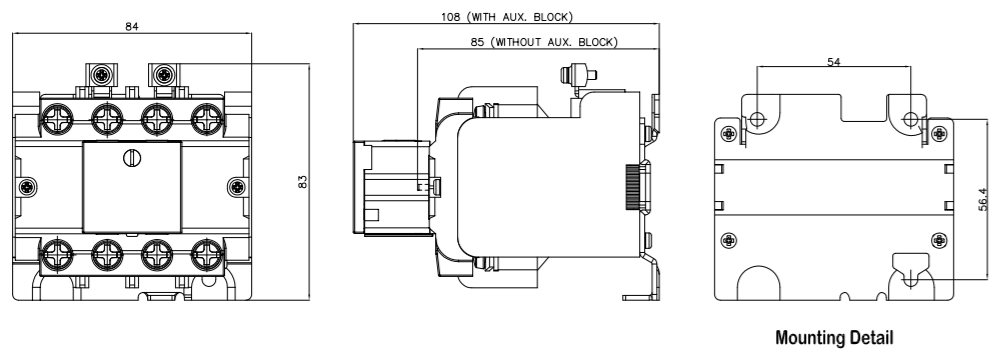


Dimensional Details:

Contactor 12A~40A 2P



Contactor 12A~40A 4P



Other Products



ACB



Controlgear



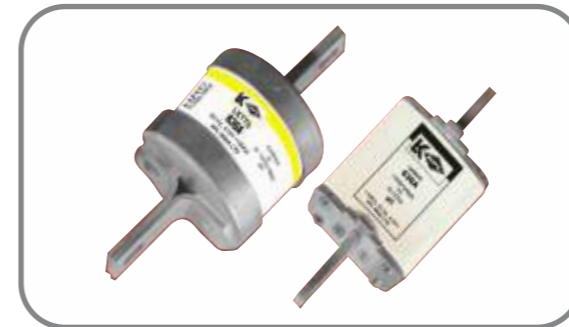
On Load Changeover Switch



Automatic Transfer Switch



Switch Disconnecter Fuse



HRC Fuse Link



SOLIDE Range of AC Contactor

For Agriculture & Industrial Applications



Salient Features

- Conforms to IEC: 60947-4-1
- Reliable operation with compact and Robust construction
- Bounce free weld resistant contacts
- Very high mechanical and electrical endurance
- Frequency of operation: Maximum 600 operations per hour
- Standard Coil Voltages (AC): 24V, 42V, 48V, 110V, 220/240V, 380/415V
- Auxiliary contacts: 1NO+1NC or 2NO / 2NC
- Interchangeable with other ratings while upgrading electrical installations
- User friendly Terminations.



HPL/SOLIDE/01-25



HPL Electric & Power Ltd

Corp. Office: 76-B, Phase-IV, Sector-57, HSIIDC Industrial Estate, Kundli-131028, Sonapat, Haryana INDIA.
 Tel.: +91-130-350 3958, 350 3437
 Registered Office: 1/20, Asaf Ali Road, New Delhi-110 002, INDIA.
 E-mail: hpl@hplindia.com

Follow us:

Customer Care No.: 18004190198
 E-mail: customercare@hplindia.com
 For online Complaint Registration:
<https://www.hplindia.com/register-complaint.php>
www.hplindia.com



www.hplindia.com



SOLIDE Range of AC Contactor

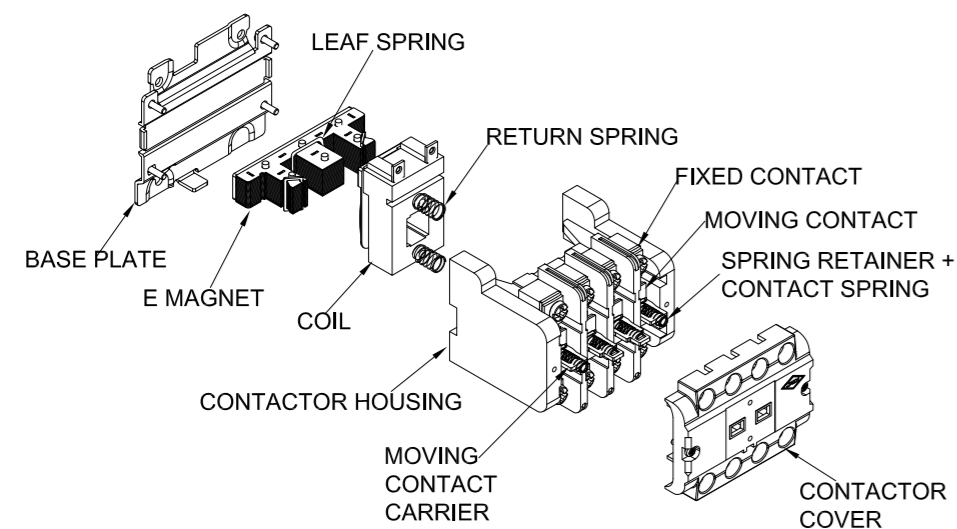
HPL AC Contactors are designed to international standards, with many distinctive features. Contactors are provided with four normally open contacts. In addition there is a provision for taking on an auxiliary contact block with 1NO+1NC or 2NO or 2NC configuration.

Injection phenolic moulding compound with electric and flame-resistance properties reduce tracking and prolong operational life. Specially designed magnet system with rubber damper is used to ensure 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.

Contactors rated for 12A, 16A, 20A, 25A, 32A & 40A have common physical and mounting dimensions to eliminate space problems while electrically up-grading installations.



EXPLODED VIEW OF CONTACTOR



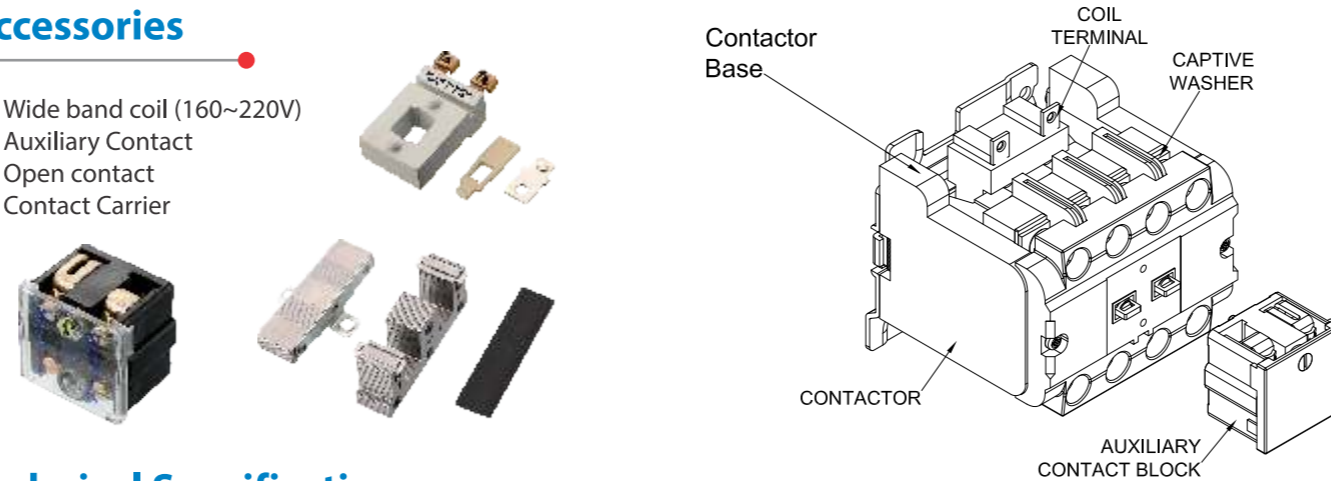
Contact design

Contacts are designed with silver-cadmium & it provides weld resistance characteristics & low bounce. Moving contacts are visible from top. Visual indication for ON & OFF from the top is visible and provision for manual operation is provided.



Accessories

- Wide band coil (160~220V)
- Auxiliary Contact
- Open contact
- Contact Carrier



Technical Specification

Power Contactor - 2P							
Type		SOL-12A/2	SOL-16A/2	SOL-20A/2	SOL-25A/2	SOL-32A/2	SOL-40A/2
As per standards		IEC/IS 60947-4-1					
Rating (AC3) at 240V AC	A	12	16	20	25	32	40
Thermal Current (Ith)	A	25	25	32	40	50	60
No. of Pole	Nos	2					
Operational Voltage	V	240					
Insulation voltage	Ui V	660					
Electrical endurance (Ac3)	Million Operations	1					
Mechanical endurance	Million Operations	5					
Maximum frequency of operation	ops/hour	600					
Operating time of contactor (average)	ms	25					
Contact bounce time (average)	ms	5					
Terminal Capacity Main contacts	mm ²	1X16 or 2X10					
Size (W x H x D)	mm	66 x 83 x 85					
Weight	Kg	0.53					
Operating Altitude	m	up to 2000m					
Auxiliary Characteristic							
Thermal rating		6					
AC 15 rating at 240V 50Hz		4					
Contact options		1NO + 1NC, 2NO, 2 NC					
Terminal capacity -Auxiliary contacts	mm ²	2.5					
Control Characteristic							
Standard coil voltages at 50 Hz	V	24, 42, 48, 110, 220/240, 160~220 (wide)					
Coil operating voltage range		-30 to + 10% of rated voltage					
Insulation class of coil	Class	B					
Coil consumption (max)	Inrush VA	66					
	Sealed VA	13					



Technical Specification

Power Contactor - 4P																			
Type		SOL-12A/4	SOL-16A/4	SOL-20A/4	SOL-25A/4	SOL-32A/4	SOL-40A/4												
As per standards		IEC/IS 60947-4-1																	
Rating (AC3) at 415V AC	A	12	16	20	25	32	40												
Thermal Current (Ith)	A	25	25	32	40	50	60												
No. of Pole		4																	
Operational Voltage	Ue (V)	415																	
Insulation voltage	Ui(V)	660																	
Motor Starting duty	V (50 Hz)	KW	HP	FLC - le A	KW	HP	FLC - le A	KW	HP	FLC - le A	KW	HP	FLC - le A	KW	HP	FLC - le A			
AC 1 Resistive or Slightly inductive loads	220/240	2.25	12	7.5	20	7.5	20	12	40	15	40	17	50						
	380/415	7.5	15	15	20	15	20	23	40	25	40	37	50						
AC 2 Slipping motors Starting & plugging	220/240	2.25	3	12	4	5.5	20	4	5.5	20	7.5	10	32	10	12.5	36	11	15	40
	380/415	5.5	7.5	11	7.5	10	20	7.5	10	20	11	15	32	15	20	36	22	30	40
AC 3 Squirrel cage Motors Starting & FLC Breaking	220/240	2.25	3	12	4	5.5	16	5.5	7.5	20	7.5	10	26	10	15	30	11	15	40
	380/415	5.5	7.5	11	7.5	10	16	7.5	10	20	11	15	25	15	20	30	22	30	40
Electrical endurance (Ac3)	Million Operations	1																	
Mechanical endurance	Million Operations	5																	
Maximum frequency of operation	ops/hour	600																	
Operating time of contactor (average) milli seconds	ms	20																	
Contact bounce time (average)	ms	5																	
Terminal Capacity Main contacts	mm ²	1X16 or 2X10																	
Size (W x H x D)	mm	84 x 83 x 85																	
Weight	Kg	0.66																	
Operating Altitude	m	up to 2000m																	
Auxiliary contacts																			
Thermal rating	A	6																	
AC 15 rating at 415V 50Hz	A	3																	
Contact options		1 NO + 1 NC, 2NO or 2 NC																	
Terminal capacity -Auxiliary contacts	mm ²	2.5																	
Control Characteristic																			
Standard coil voltages 50 Hz	V	24, 42, 48, 110, 220-240, 380, 415, 440																	
Coil operating voltage range		-30 to + 10% of rated voltage																	
Insulation class of coil	Class	E																	
Coil consumption (max)	Inrush VA	80																	
	Sealed VA	13.2																	