



C.R.I. MOTOR STARTER

AIR BREAK MOTOR STARTER



C.R.I. AIR BREAK MOTOR STARTER AD / AD+ / ASF / ASS TYPE

Description

C.R.I. Motor Starters are the products of the expertise gained from over five decades of experience, endurance and workmanship. C.R.I. products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble-free operation.

C.R.I. Motor Starter is a reliable control device to protect your Pump / Motor against overloading, single phasing & unbalanced voltages. The Air Break DOL/SD Starters are ideally suitable for 3 phase motors ranging from 3 HP to 30 HP.

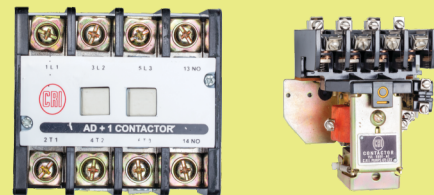
D.O.L / SD Starters

The starters consist of 3 Phase 4 pole contactor, thermal overload relay & ON-OFF switch provided with a latch to prevent from accidental starting, housed in an attractive powder coated steel enclosure.



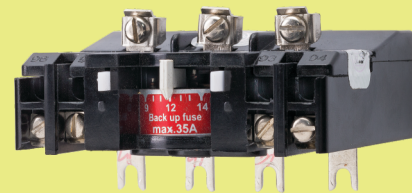
Contactor

The 4 Pole contactors are rugged and designed for trouble-free switching of AC motors and other AC loads. The contact tips are made of silver nickel (AgNi) material to withstand extreme field conditions and it can resist high ambient temperature, high humidity, voltage fluctuations and frequent starts.



Overload Relay

Thermal bimetal strip relays are being used in our starters to protect the motor from Overload & Single Phasing. When the starter trips due to overload, the relay has to be reset by pressing the STOP button before restarting. The relay will reset only after the bimetal strip have cooled sufficiently. All overload relays are individually tested at factory to ensure trouble-free operation.



MAXIMUM NUMBER
OF FULL STARTS:
30/HR

MECHANICAL LIFE:
**10 MILLION
OPERATIONS**

CONTACT LIFE:
**MORE THAN 4 MILLION
OPERATIONS**



AD / AD+ DOL STARTER - 3Ø

- Heavy duty contactor for trouble free switching operation
- High Mechanical & Electrical durability
- Specially designed overload relay for reliable overload protection
- Encapsulated coil to withstand wide voltage fluctuations
- Hum-Free
- Easy and quick mounting

MODEL	Relay Range (Amps)	Recommended HP	Recommended Fuse (Amps)	MODEL	Relay Range (Amps)	Recommended HP	Recommended Fuse (Amps)
AD-4	2.5-4	2	10A	AD+1	9-14	7.5	35A
AD-6	4-6.5	3	16A	AD+1	11-18	10	50A
AD-10	6-10	5	25A	AD+1	13-21	12.5	63A
AD-14	9-14	7.5	35A	AD+2	20-32	15	63A
AD-18	11-18	10	50A	AD+3	20-32	20	63A
AD-21	13-21	12.5	63A	AD+3	28-42	20	63A
AD-22	13-22	12.5	63A				
AD-32	20-32	15	63A				

ASS / ASF STARTER - 3Ø

- Heavy type contactors for exceptional endurance and trouble free switching operation
- Highly Sensitive and adjustable thermal overload relay
- Encapsulated coil to withstand wide voltage fluctuations
- Ergonomic design with aesthetic looks
- Star to Delta changeover with ease
- Easy to install
- Star-Delta starters are available in semi-automatic(ASS) and fully automatic(ASF) Version

MODEL	Relay Range (Amps)	Recommended HP	Recommended Fuse (Amps)	MODEL	Relay Range (Amps)	Recommended HP	Recommended Fuse (Amps)
ASF-14	9-14	12.5	35A	ASS-14	9-14	12.5	35A
ASF-18	11-18	12.5	50A	ASS-18	11-18	12.5	50A
ASF-21	13-21	15	63A	ASS-21	13-21	15	63A
ASF-32	20-32	30	63A	ASS-32	20-32	30	63A

TECHNICAL SPECIFICATIONS

Relay Range	: 1.5 Amps to 42 Amps
Rated Operational Voltage	: 200-440V, 50Hz 3 phase
Contactor	: 4 pole
Wide band of Operating Voltage	: 70% to 110% of rated coil voltage
Pick-up Voltage	: Minimum 70% of coil rating
Ambient Temperature	: -25° C to +55° C

DOL

SD

Thermal Overload Relay
Highly sensitive & adjustable thermal overload relay

Contact System
Low bounce and high weld resistance AgNi contacts for better life

Solenoid Coil
Wide band coil voltage (operating range: 55% - 110%)

Latch
ON-OFF push button provided with latch to prevent accidental starting

Window
Weather proof ON/OFF indicator is visible through this window.

Enclosure
Moisture & dust proof powder coated cover with cord packing