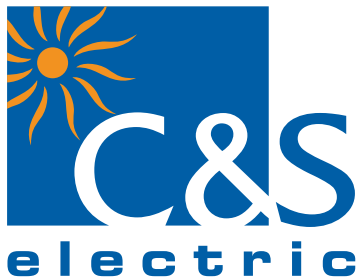


We touch your **electricity** everyday!



Superior Performance

Long Life

Easy Maintenance

Anmol Motor Starter

Anmol Motor Starter

C&S Electric Ltd. is amongst the leading suppliers of electrical equipment in India and largest exporter of industrial switchgear in 78 countries across globe. It's wide range of electrical and electronic products find application in power generation, distribution, control & protection.

In India, C&S Electric LV Components have served for over four decades in critical applications like power plants, refineries, textile, cement, telecom, infrastructure & buildings etc. C&S LV Components touches everyone's life, increasing industrial productivity & protecting homes.



C&S has now introduced, Anmol Motor Starters incorporating unique design 4P contactor type TC-1DX with latest technology, which has been engineered for rugged India tropical condition ensuring superior performance for reliable long trouble free life.

Anmol Motor Starter Portfolio

Description	Product Reference	Power rating	Relay range
DOL Starter	BE1-DXM204~254	Upto 15 HP	1.6~25A
Auto Start DOL Starter	BE1-DXS204~254	Upto 15 HP	1.6~25A
Automatic Star Delta Starter	BE3-DXM204~254	Upto 25 HP	2.5~25A
DOL SPCU- Standard	BE1-SSDX204~254	Upto 15 HP	2.5~25A
DOL SPCU- Deluxe	BE1-SDDX204~254	Upto 15 HP	2.5~25A
Star Delta SPCU - Standard	BE3-SSDX204~254	Upto 40 HP	2.5~40A
Star Delta SPCU - Deluxe	BE3-SDDX204~254	Upto 25 HP	2.5~25A



Anmol Advantages

- Robust construction design
- Superior performance guaranteed
- Long life
- Easy maintenance

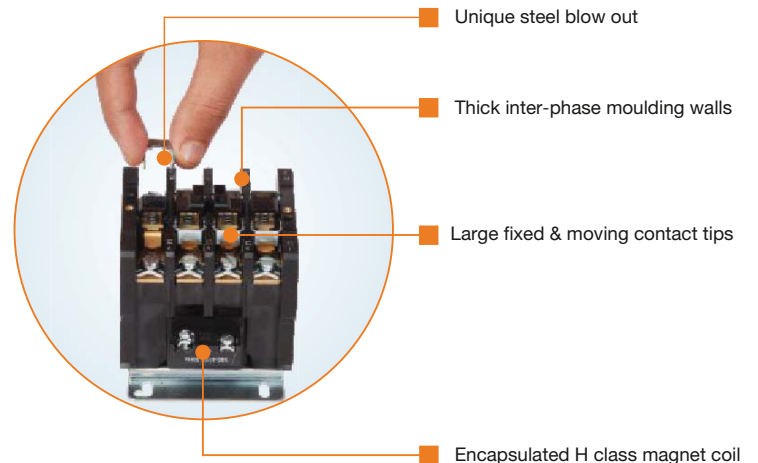
Anmol Components

4P Contactor type TC1-DX

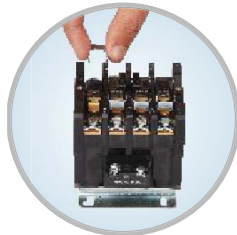
- Power rating AC3 duty, 415V AC : 20A & 25A
- Mechanical life (operations) : 5 Million
- Heavy duty large dia silver alloy contact tips
- Encapsulated H Class wideband magnet coil

Easy Maintenance

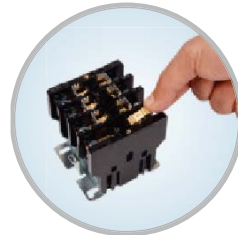
- Field replaceable Fixed / Moving contacts
- Easy coil replacement, when required



Front top cover opening



Easy access to blow-out & moving contacts



Effortless removal of moving contacts



Fixed & moving contacts- easy inspection and replacement

Reliable Protection

Thermal Overload relay type LR3-DM

- Overload relay range available in 1.6~40A with 11 options
- Assures motor protection under operational overloads conditions
- Manual re-set facility, temperature compensated



Electronic Single Phase Preventor

- Ensures complete protection against single phase, reverse phase and phase unbalance (50~70V)
- Incorporated only in Submersible Pump Control Units

Electronic Star Delta Timer

- Star Delta Change Over Timer, 0~30 sec with Fixed Change Over Time 75 m sec. and repeat accuracy better than $\pm 0.5\%$, 50 ms
- 2C/O for Star & Delta function



Anmol Motor Starters Selection table

DOL Starter

Incorporating 4P Contactor TC1-DX & Overload Relay LR3DM

HP Rating at 415V AC	Relay Range (Amp.)	Reference
2.00	2.5 to 4.0	BE1-DXM204 ■ 308
3.00	4.0 to 6.0	BE1-DXM204 ■ 310
5.00	5.5 to 8.8	BE1-DXM204 ■ 312
5.50	7.0 to 10.0	BE1-DXM204 ■ 314
7.50	10.0 to 13.0	BE1-DXM204 ■ 316
10.00	13.0 to 18.0	BE1-DXM204 ■ 321
10.00	13.0 to 18.0	BE1-DXM254 ■ 321H
15.00	18.0 to 25.0	BE1-DXM254 ■ 322

Auto Start DOL Starter

Incorporating 4P Contactor TC1-DX, Overload Relay LR3DM & SPP

HP Rating at 415V AC	Relay Range (Amp.)	Reference
2.00	2.5 to 4.0	BE1-DXS204 ■308
3.00	4.0 to 6.0	BE1-DXS204 ■310
5.00	5.5 to 8.8	BE1-DXS204 ■312
5.50	7.0 to 10.0	BE1-DXS204 ■314
7.50	10.0 to 13.0	BE1-DXS204 ■316
10.00	13.0 to 18.0	BE1-DXS204 ■321
10.00	13.0 to 18.0	BE1-DXS254 ■321H
15.00	18.0 to 25.0	BE1-DXS254 ■322

Automatic Star Delta Starter

Incorporating 4P Contactor TC1-DX & Overload Relay LR3DM

HP Rating at 415V AC	Relay Range (Amp.)	Reference
4.00	2.5 to 4.0	BE3-DXM204 ■ 308
5.50	4.0 to 6.0	BE3-DXM204 ■ 310
7.50	5.5 to 8.8	BE3-DXM204 ■ 312
12.00	7.0 to 10.0	BE3-DXM204 ■ 314
15.00	10.0 to 13.0	BE3-DXM204 ■ 316
20.00	13.0 to 18.0	BE3-DXM204 ■ 321
20.00	13.0 to 18.0	BE3-DXM254 ■ 321H
25.00	18.0 to 25.0	BE3-DXM254 ■ 322

Anmol Motor Starters Selection table

3 Phase DOL Submersible Pump Control Unit

Incorporating 4P Contactor TC1-DX, Relay LR3DM, SPP, By-pass Switch, Meters & indication lamps

Relay Range (Amp.)	Reference (Standard Model)	Reference (Deluxe Model) •
2.5 to 4.0	BE1-SSDX204 ■ 308	BE1-SDDX204 ■ 308
4.0 to 6.0	BE1-SSDX204 ■ 310	BE1-SDDX204 ■ 310
5.5 to 8.8	BE1-SSDX204 ■ 312	BE1-SDDX204 ■ 312
7.0 to 10.0	BE1-SSDX204 ■ 314	BE1-SDDX204 ■ 314
10.0 to 13.0	BE1-SSDX204 ■ 316	BE1-SDDX204 ■ 316
13.0 to 18.0	BE1-SSDX204 ■ 321	BE1-SDDX204 ■ 321
13.0 to 18.0	BE1-SSDX254 ■ 321H	BE1-SDDX254 ■ 321H
18.0 to 25.0	BE1-SSDX254 ■ 322	BE1-SDDX254 ■ 322

3 Phase Automatic Star Delta Submersible Pump Control Unit

Incorporating 4P Contactor TC1-DX, Relay LR3DM, SPP, By-pass Switch, Meters & indication lamps

2.5 to 4.0	BE3-SSDX204 ■ 308	BE3-SDDX204 ■ 308
4.0 to 6.0	BE3-SSDX204 ■ 310	BE3-SDDX204 ■ 310
5.5 to 8.8	BE3-SSDX204 ■ 312	BE3-SDDX204 ■ 312
7.0 to 10.0	BE3-SSDX204 ■ 314	BE3-SDDX204 ■ 314
10.0 to 13.0	BE3-SSDX204 ■ 316	BE3-SDDX204 ■ 316
13.0 to 18.0	BE3-SSDX204 ■ 321	BE3-SDDX204 ■ 321
13.0 to 18.0	BE3-SSDX254 ■ 321H	BE3-SDDX254 ■ 321H
18.0 to 25.0	BE3-SSDX254 ■ 322	BE3-SDDX254 ■ 322
23.0 to 32.0	BE3-SS4035 N353	BE3-SD4035 N353
30.0 to 40.0	BE3-SS4035 N355	BE3-SD4035 N355

- Deluxe Model SPCU have additional provision of Miniature Circuit Breaker & Selector switch

Coil Voltage Codes (Standard) for SPCU/ DOL / Auto DOL Starter

Coil Voltage (AC) 50Hz	380#	415#
Coil Code**	Q	N

** Agri Starters portfolio available in the above standard coil voltage only.

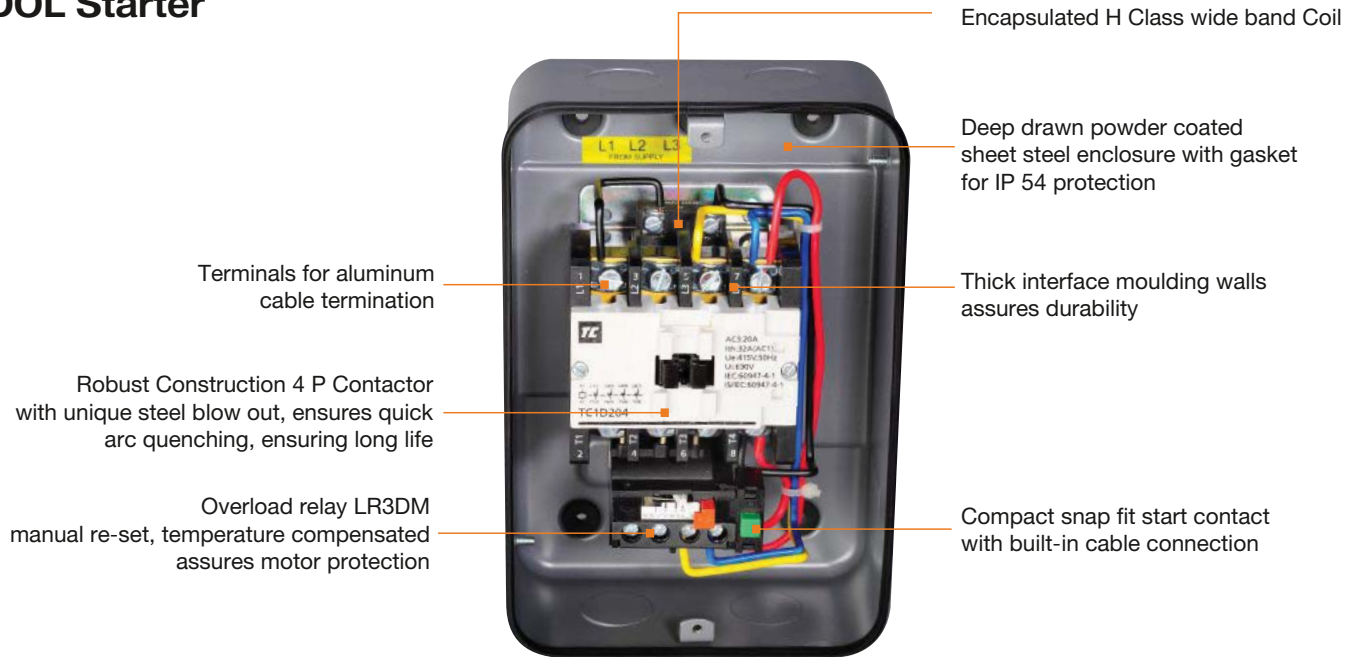
Wide operating band encapsulated coils, 380V (operating range 240~425V) /415V (operating range 270~450V)

How to order Starter

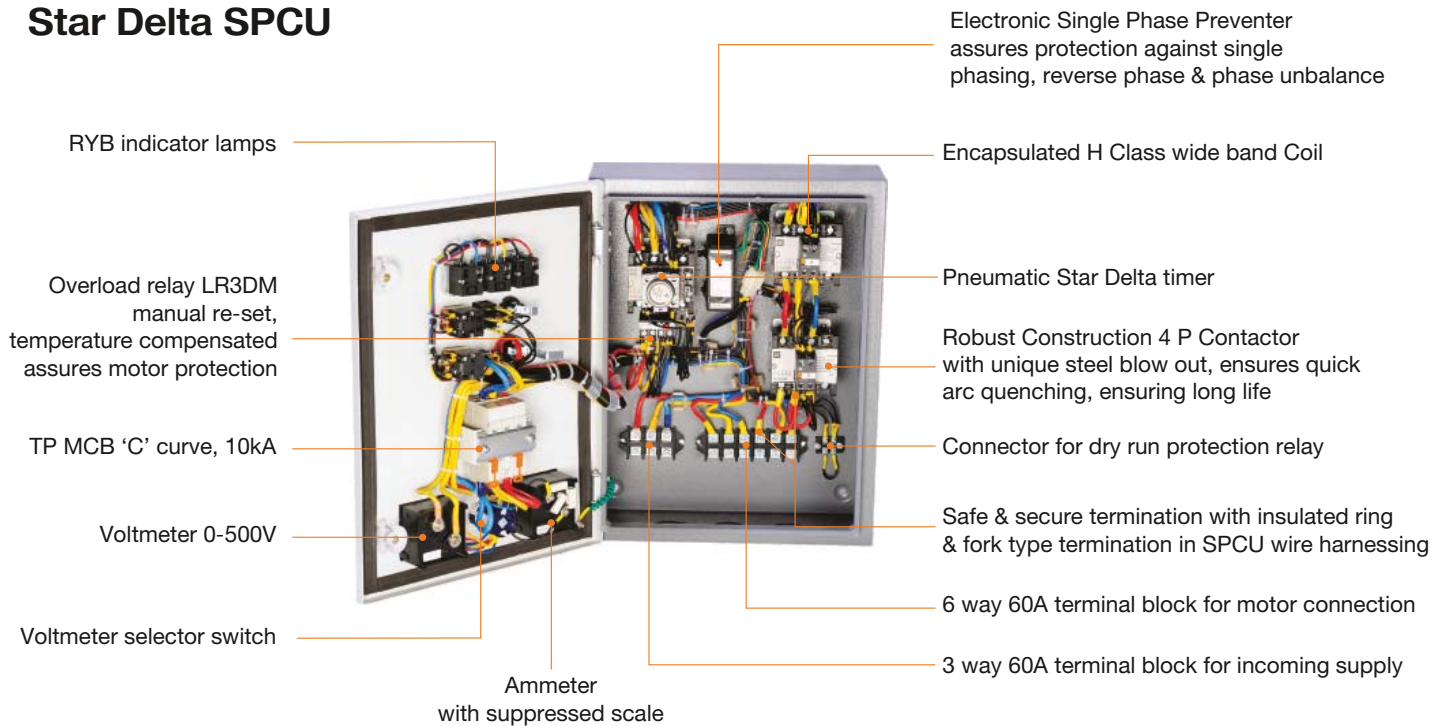
- Complete the code by replacing the black square (■) by the letter(s) corresponding to the Coil Voltage selected.
- Do select Coil Voltage considering the site voltage conditions for better field performance.
- Starters / SPCU selection should be based on the FLC of Pump/Motor as per installation.

Anmol advantages & benefits

DOL Starter



Star Delta SPCU



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We touch your electricity everyday!