

TeSys™ D Green Contactors

Extension to the TeSys D family offering large-range AC/DC coils with very low consumption

TeSys D Green contactors apply the latest technology to expand the coil voltage range while significantly reducing coil consumption. Available from 9 to 65 amps with only 4 coil voltage ranges from 24 to 500 V AC or DC.

Features & Benefits

Low control amps > Lower permanent consumption

Reduced coil power (just 0.5 W / 24 V DC for the BBE coil) contributes to increased machine energy efficiency.

Low control current > Direct PLC control

TeSys D Green contactors (with BBE coil code) can be driven by a common 24 V DC / 500 mA static output, eliminating the need for an interposing relay.

Large coil voltage range > Reliable operation

With the expansive voltage range, contactor operation is less susceptible to under voltage, over voltage, and voltage sag.

Large coil voltage range > Reduced inventory / spares

Fewer part numbers are needed to cover the commonly used control voltages, reducing the number of part numbers to carry for new or replacement needs.

Coil monitoring / control > Reduced contact bounce

TeSys D Green contactors prevent microbreaks due to machine shocks and vibrations, increasing the reliability and performance of the machine.



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Part Number Selection

Contactors

Standard power ratings of motors 50/60 Hz						Associated cable type 75 °C-Cu	Continuous current	Catalog Number ⁽¹⁾
Single-phase 1 Ø		3-phase 3 Ø						
115 V	230 V 240 V	200 V 208 V	230 V 240 V	460 V 480 V	575 V 600 V			
HP	HP	HP	HP	HP	HP		A	

Connection by screw clamp terminals

1/3	1	2	2	5	7.5	AWG 18 - 10	25	LC1D09...
0.5	2	3	3	7.5	10	AWG 18 - 10	25	LC1D12...
1	3	5	5	10	15	AWG 18 - 8	32	LC1D18...
2	3	7.5	7.5	15	20	AWG 14 - 6	40	LC1D25...
2	5	10	10	20	25	AWG 14 - 6	50	LC1D32...
2	5	10	10	20	25	AWG 14 - 6	50	LC1D38...

Power connections by EverLink® and control by screw terminals

3	5	10	10	30	30	AWG 16 - 2	60	LC1D40A...
3	7.5	15	15	40	40	AWG 16 - 2	70	LC1D50A...
5	10	20	20	40	50	AWG 16 - 2	80	LC1D65A...

Control voltage codes

AC/DC supply

Volts	24 (DC only)	24-60	48-130	100-250	250 V - 415 V AC / 250 V - 500 V DC
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LC1D09 ... D65A

U 0.85 ... 1.1 Uc	BNE	EHE	KUE	USE ⁽²⁾
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LC1D40A ... D65A

U 0.8...1.2 Uc	BBE			
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⁽¹⁾ Complete catalog number by adding coil voltage code (for example, LC1D40AKUE)

⁽²⁾ Available end of 2017

Applications

Large Coil Voltage Range

- Pumping & Irrigation
- HVAC
- Agriculture
- Commercial Machinery
- Contractors/ Servicing
- Semiconductor

Low Coil Consumption

- Material Handling
- System Integrators
- Battery/Solar

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