

Telemecanique

TeSys Model D Contactors and Overload Relays

LC1D Contactor

Key Features

- Ratings from 9A to 150A inductive (160A resistive) for a wide variety of applications.
- 3 or 4 pole construction (4 pole in two versions, 4 N.O. or 2 N.O. and 2 N.C. power poles).
- Mechanically linked power contacts suitable for use in safety circuits.
- Contactors D09 to D80 supplied as standard with internal 1 N.O. and 1 N.C. auxiliary contacts. N.C. mirrored contact is suitable for use in safety circuits (category 4).
- 45mm width standard on contactors 32A and smaller.
- Standard screw terminals with optional spring, slip on or ring terminal connectors.
- Coil operating ranges.
 - AC: 0.8 to 1.1 of nominal voltage 50/60Hz (dual Frequency).
 - DC: 0.7 to 1.25 of nominal in both standard & low consumption versions.
- Easily installed common accessories such as timers, auxiliary contacts and latching blocks.
- CSA, UL and international certifications.



LRD Overload Relay

Key Features

- Class 10 or class 20 bimetallic overload for better motor protection.
- Ambient compensated with or without single-phase sensitivity for phase unbalance and phase loss.
- Isolated N.C. trip contact and N.O. alarm contact.
- Manual or automatic reset function.
- Tamper resistant window for FLA settings.
- Test trip button.
- Optional remote electrical reset.
- CSA, UL and international certifications.

The Telemecanique TeSys Model D is the best selling line of contactors in the world. At only 45mm wide up to 32A, TeSys Model D contactors require less panel space and offer the quickfit mounting system to reduce installation time and effort. Standard safety features include: integral mirrored contacts, mechanically linked contacts, protective cover against manual operation, and color-coded power and control terminals.

Maximum horsepower ratings						Maximum inductive current in AC-3 category 600V	Instantaneous auxiliary contacts		Catalogue Number
1-phase 50/60 Hz		3-phase 50/60 Hz					A	N.O.	
120 V	240 V	208 V	240 V	480 V	600 V				
HP	HP	HP	HP	HP	HP				
0.5	1	2	2	5	7.5	9	1	1	LC1D09**
1	2	3	3	7.5	10	12	1	1	LC1D12**
1	3	5	5	10	15	18	1	1	LC1D18**
2	3	7.5	7.5	15	20	25	1	1	LC1D25**
2	5	10	10	20	30	32	1	1	LC1D32**
3	5	10	10	30	30	40	1	1	LC1D40**
3	7.5	15	15	40	40	50	1	1	LC1D50**
5	10	20	20	50	50	65	1	1	LC1D65**
7.5	15	25	30	60	60	80	1	1	LC1D80**
-	-	30	40	75	100	115	1	1	LC1D115**
-	-	40	50	100	125	150	1	1	LC1D150**

Note: For complete offering information and specialty versions, refer to Schneider Electric's Industrial Control Products catalogue.

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F-Line Contactors and Overload Relays

LC1F Contactor

Key Features

- Heavy duty ratings from 185 amps to 800 amps inductive for a variety of motor applications
- 3 or 4 pole construction for the full range with 2 pole availability in 420A, 700A and 1000A resistive ratings
- Quick release cover for easy contact inspection and minimal down time
- Snap on accessories such as timers and auxiliary contacts
- Local on/off indication to simplify troubleshooting
- Replacement Contact kits and Arc chambers
- Rugged aluminum base for long mechanical life and dependable operation
- CSA, UL and international markings



Proven performance for resistive loads and large motor starting applications such as fans, crushers, pumps compressors and overhead cranes. They offer reliability with long mechanical and electrical life and the most complete line of accessories in the industry.

LR9F Three Phase Overload Relay

Key Features

- Solid state with ambient compensation for accurate, repeatable protection
- Class 10 or 20 solid state overload protection to better match your motor protection requirements
- Integral phase unbalance and failure protection
- Direct mount to load side of LC1F contactor or separate mount
- 8 sizes covering from 30 to 630 Amps
- CSA, UL and international markings

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3				Maximum current ($\theta \leq 40^\circ \text{C}$ [104°F])		No. of poles	Catalogue Number
208 V HP	240 V HP	480 V HP	600 V HP	AC-3 A	AC-1 A		
50	60	125	150	185	200	3	LC1F185**22L
—	—	—	—	225	250	3	LC1F225**22L
60	75	150	200	265	285	3	LC1F265**22L
75	100	200	250	330	370	3	LC1F330**22L
100	125	250	300	400	420	3	LC1F400**22L
150	200	400	500	500	700	3	LC1F500**22L
250	300	600	800	630	1000	3	LC1F630**22L
—	450	900	900	780	1350	3	LC1F780**22L
—	450	800	900	800	1000	3	LC1F800**22L

Note: For complete offering information and specialty versions, refer to Schneider Electric's Industrial Control Products catalogue.

Current Setting Range Amps	For Direct Mounting To Contactor LC1F***	Class 10 Trip Catalogue Number	Class 20 Trip Catalogue Number
30 to 50	F115 to F185	LR9F5357	LR9F5557
48 to 80	F115 to F185	LR9F5363	LR9F5563
60 to 100	F155 to F185	LR9F5367	LR9F5567
90 to 150	F155 to F185	LR9F5369	LR9F5569
132 to 220	F185, F265	LR9F5371	LR9F5571
200 to 330	F265 to F500	LR9F7375	LR9F7575
300 to 500	F265 to F500	LR9F7379	LR9F7579
380 to 630	F400 to F630	LR9F7381	LR9F7581

Note: For complete specifications, refer to Schneider Electric's Industrial Control Products catalogue.

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