



LE1M35●●●●

Control + Protection against Overloads

- Direct Control: ON/OFF of 3-phase motor
- Motor protection: motor OFF in case of overload – manual reset with the red pushbutton.
- Indication: yellow light activated with the contactor coil.
- The LE1M35 starter, combined with short-circuit protection components, provides type 1 or type 2 coordination, depending on the type of devices used.

Range:

- 10 IEC motor starters, for 3P motors from 0.25 to 7.5 kW (400V AC)
- Configurable pushbuttons: impulse or latched
- Conforming to IEC 60947-4-1 standard
- Degree of protection IP65, according IEC 60529
- Ambient air temperature in operation -5 to +40°C
- Operating position: same as TeSys K series contactors
- Material: self extinguishing ABS.

Included (standard version):

- 1 TeSys contactor LC1 K●●⁽¹⁾
- 1 TeSys thermal overload relay LR2 K⁽²⁾
- 1 green Start button "I",
- 1 red Stop/Reset button "O/R",
- 1 yellow operating indicator
- earth + neutral terminals at bottom of enclosure.

For supply voltages between 380 and 440 V (codes Q7, V7, N7 or R7) the control circuit is pre-wired between phases. For other supply voltages, the control circuit must be wired by the customer.

Direct-on-line starters

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3				Setting range of thermal overload relay LR2K	Basic reference, to be completed by adding the voltage code ⁽³⁾	Overall dimensions ⁽⁴⁾ WxHxD
220 V	240 V	380 V	415 V			
230 V		400 V				
kW	kW	kW	kW	A		mm
0.12	0.12	0.25	0.25	0.54...0.8	LE1M35●●05	78x160x108
0.18	0.18	0.37	0.37	0.8...1.2	LE1M35●●06	78x160x108
0.25	0.25	0.55	0.55	1.2...1.8	LE1M35●●07	78x160x108
0.37	0.37	1.1	0.75	1.8...2.6	LE1M35●●08	78x160x108
0.55	0.55	1.5	1.5	2.6...3.7	LE1M35●●10	78x160x108
1.1	0.75	2.2	2.2	3.7...5.5	LE1M35●●12	78x160x108
1.5	1.1	3	3	5.5...8	LE1M35●●14	78x160x108
2.2	2.2	4	4	8...11.5	LE1M35●●16	78x160x108
3	3	5.5	5.5	10...14	LE1M35●●21	78x160x108
3.7	4	7.5	7.5	12...16	LE1M35●●22	78x160x108
Replacement contactor					LC1K●●A80	-

Coil voltage codes

Volts ~ 50/60 Hz	24	110	220	230	240	380	400	415	440
Code	B7	F7	M7	P7	U7	Q7	V7	N7	R7

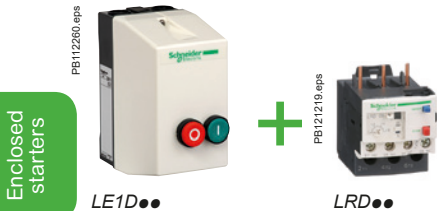
⁽¹⁾ TeSys K contactor characteristic: refer to chapter B8.

⁽²⁾ TeSys LR2K overload relay characteristics: refer to chapter B11.

⁽³⁾ Remove the 2 last numbers if the thermal overload relay is not required.
Example: LE1M35B7 instead of L1M35B714.

⁽⁴⁾ Dimensions of standard versions, comprising (if any) handle, pushbutton, indicator light.





Control + Protection against Overloads

- ON/OFF motor starters: 1-way rotation control of 3-phase motor, by green & red pushbuttons
- Motor protection against overload: manual reset with the red pushbutton or remotely.

Range:

- 8 direct-on-line starters for 3P motors from 4 to 30 kW (9 to 65 A AC-3)
- Choice of up to 12 AC coil voltages for control supply circuit (depending on starter rating).

Enclosures characteristics:

- Conforming to IEC 60947-4-1 standard
- Degree of protection according IEC 60529:
 - IP65,
 - IK07 for LE1D09...D35,
 - IK09 for LE1D40A...D65A
- Ambient air temperature in operation -5 to +40°C
- Operating position: same that as contactors
- Material: LE1D09... D35 polycarbonate ⁽²⁾
- LE1D40A... D65A steel sheet.

Included:

- 1 pre-wired LC1D contactor
- 2 Harmony XB5 pushbuttons.

An LRD overload relay of the required rating must be ordered separately and wired at bottom of the contactor.

Direct on-line starters

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3						Max. current	Basic reference, to be completed by adding the voltage code	Weight	Overall dimensions ⁽³⁾
220 V	380 V	415 V	440 V	500 V	660 V	I the 690 V up to		kg	WxHxD
kW	kW	kW	kW	kW	kW	A			mm
2.2	4	4	4	5.5	5.5	9	LE1D09●●	0.920	88x166x128.5
3	5.5	5.5	5.5	7.5	7.5	12	LE1D12●●	0.920	88x166x128.5
4	7.5	9	9	10	10	18	LE1D18●●	1.015	101x201x153.5
5.5	11	11	11	15	15	25	LE1D25●●	1.015	101x201x153.5
7.5	15	15	15	18.5	18.5	35	LE1D35●●	4.320	101x201x153.5
11	18.5	22	22	22	30	40	LE1D40A●●	4.820	200x300x158.5
15	22	25	30	30	33	50	LE1D50A●●	4.850	200x300x158.5
18.5	30	37	37	37	37	65	LE1D65A●●	4.850	200x300x158.5

Variants (pre-assembled)

Description	Available variants for starter	Suffix to be added to the starter reference ⁽⁴⁾
No pushbuttons on cover	LE1D09...D65A●●	A04
1 blue Reset button "R"	LE1D09...D65A●●	A05
1 3-position stay put selector switch ("I"- "O"- "II") ("I": Automatic Start; "O": Stop; "II": Manual Start) 1 blue Reset button "R"	LE1D09...D25●●	A09
1 2-position stay put selector switch "O"- "I" ("O": Stop; "I": Manual Start) 1 blue Reset button "R"	LE1D09...D25●●	A13
Mounting of an LC1D09 contactor in an enclosure identical to LE1D18	LE1D09P7 LE1D09P7A13	T

Coil voltage codes ⁽⁴⁾

Volts	24	48	110	115	120	220	230	240	380	400	415	440
~ 50/60 Hz												
LE1D09 to D35	B7	E7	F7	FE7	G7	M7	P7	U7	Q7	V7	N7	R7
LE1D40A to D65A	-	-	-	FE7	-	-	P7	-	Q7	-	-	-

⁽¹⁾ TeSys LRD overload relay selection: product reference page A1/33, more details in chapter B11.

⁽²⁾ Avoid placing this material in contact with harsh substances (detergents, chlorine solvents ketones, alcohol, aromatic hydrocarbons).

⁽³⁾ Dimensions of standard versions, comprising (if any) handle, pushbutton, indicator light.

⁽⁴⁾ Some combinations of variants / control voltage may not be available. Please consult us.