

# TeSys enclosed starters

Star-delta starters (1)

7.5 to 75 kW with isolating device

## Characteristics

Conforming to standards	IEC 60947-4-1 and IEC 60439-1, VDE 0660-102, EN 60947
Degree of protection conforming to IEC 60529	IP 657: <b>LE6 D09...D18</b> IP 557: <b>LE3 D326...D806</b>
Ambient air temperature	Operation: - 5 to + 40 °C
Operating positions	Same as that of the contactors
Material	Polycarbonate (2): <b>LE6 D</b> Sheet steel: <b>LE3 D</b>

## References

Maximum operating rate: 30 starts/hour.

Maximum starting time: 30 seconds.

An LA2 DS2 timer imposes a delay of 40 ms ± 15 ms on the delta contactor at the moment of changeover to ensure that the star contactor has sufficient breaking time.



LE6 D12

Standard power ratings of squirrel cage motors. Mains voltage - Delta connection				Fuses to be fitted by the customer		Basic reference, to be completed by adding the voltage code (3)	Weight
220 V	380 V	415 V	440 V	Size	Type aM		
kW	kW	kW	kW	A			kg
4	7.5	7.5	7.5	10 x 38	20	<b>LE6 D09</b>	3.900
5.5	11	11	11	10 x 38	25	<b>LE6 D12</b>	3.900
11	18.5	22	22	14 x 51	40	<b>LE6 D18</b>	4.850
15	30	30	30	22 x 58	63	<b>LE3 D326</b>	7.650
18.5	37	37	37	22 x 58	80	<b>LE3 D406</b>	16.900
30	55	59	59	22 x 58	125	<b>LE3 D506</b>	17.000
37	75	75	75	0	160	<b>LE3 D806</b>	27.500

(1) Overload protection must be provided by a thermal overload relay, to be ordered separately. Select appropriate overload relay for setting at 0.58 of the full load rated motor current, see pages 24514/2 and 24514/3.

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

(3) Standard control circuit voltages.

Volts	24	42	48	110	115	220	230	240	380	400	415	440
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7

Other voltages: please consult your Regional Sales Office.

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LE6 D12 A04



LE6 D12 A05

Description

The standard version comprises:

- LE6 D09...D18:
  - 1 green Start button "I",
  - 1 red Stop/Reset button "O".

- LE3 D326...D806:
  - no pushbuttons on cover

Protection	Power circuit	Control circuit
LE6 D09 and D12	1 3-pole isolating device	+ 1 additional pole
LE6 D18...LE3 D806	1 3-pole isolating device	+ 1 circuit-breaker GB2 CB08

Variants (pre-assembled)

Description	Application	Suffix to be added to the starter reference (1)
No pushbuttons on cover	LE6 D09...D18	A04
1 green Start button "I" 1 red Stop/Reset button "O"	LE3 D326...D806	A06
1 blue Reset button "R"	LE6 D09...LE3 D806	A05
1 neutral terminal	LE6 D09...LE3 D806	A59
Mechanical interlock Fitted as standard on starters LE6 D09...D18	LE3 D326...D806	A64

(1) Example: **LE6 D09F7A04**.