## Structuring of the 16 digit order number for standard motors 1LE, 1MB and 1PC

			Main series		Secondary series				Versions
1st	2nd	3rd	Order no. position	4th	Order no. position	5th	6th	7th	Order no. position
1	L	E	Low-voltage motors / Standard type	1	IEC - Motor series	0			General purpose motor, Alum num
1	М	В	Motors for special environmental	2	NEMA – Motor series	5		10000	Severe duty motor, cast-iron Basic I
	IVI	В	conditions (e.g. Ex motors)	1898		6			Severe duty motor, cast-iron Perfor
1	P	C	Special motors				0	1	High efficiency IE2
100							0	2	Standard efficiency IE1
- 7							0	3	Premium efficiency IE3
	1								
	1						1	1	Pole-shanging 1 winding
							1	2	Pole-changing 2 windings
		1				20000	2	1	NEMA "Eagle Line" Energy efficient
		-					2	3	NEMA "Eagle Line" Premium efficie

		Voltage code	
12th	13th	Order no. position	
		50 Hz	60 Hz
0	2	400 V Y	460 V Y
2	1	220 V A / 380 V Y	440 V Y
2	2	230 V & / 400 V Y	460 V Y
2	3	240 V & / 415 V Y	
2	7	500 V Y	
3	3	380 V 4 / 660 V Y	440 V Δ
3	4	400 V 4 / 690 V Y	460 V A
4	0	500 V A	
9	0	Non-standard	winding

15th	Order no. position
Α	without motor protection
В	3 PTC thermistors (tripping)
C	6 PTC thermistors (warning + tripping)
F	Temperature sensor KTY84-130

Distriction of	Mechanical design
16th	Order no. position
4	Terminal box on top
5	Terminal box on RHS
6	Terminal box on LHS
7	Terminal box selow

Order no. position	1st	2nd	3rd	4th	5th	6th	7th	-	8th	9th	10th	11th	12th	-	13th	14th	15th	16th	Order code
Order no.	1	L	E	1	0	0	1	-	1	Α	Α	4	3	_	4	В	Α	4	-Z

Enn	!	Mounte	61-	Construction length  11th Order no. position											
	e size	Number o													
8th 9th	position	10th positi	ion	11th Order i	no. position	2									
					l lawath C		3	4	5	6					
	SH			Constructio		Construction		Construction		High-performance					
				Rated o		Rated o		Rated		Rated output					
				kW	kW	kW	kW	kW	kW	kW					
		2-pole	A			0.18	0.25			0.37					
OB	63	4-pole	В			0.12	0.18			0.25					
		6-pole	С			0.09	0.12			0.18					
		2-pole	A			0.37	0.55			0.75					
0C	71	4-pole	B			0.25	0.37			0.55					
		6-pole		7		0.18	0.25			0,37					
		8-pole	D			0.09	1.1			0.18					
		2-pole 4-pole	A B			0.75	0.75			1.5 1.1					
0D	80	6-pole	C			0.37	0.75			0.75					
		6-pole 8-pole	D			0.37	0.55			0.75					
				1.5		0.18	0.25	2.2							
		2-pole 4-pole	A B	1.5				2.2 1.5		3 2.2					
0E	90	6-pole	C	0.75						1.5					
		8-pole	D	0.75				1.1 0.55		0.75					
				0.37				0.55		U./5					
1A		2-pole 4-pole	A B					2.2	3	4					
	100	6-pole	C					1.5	3	2.2					
		8-pole	D					0.75	1.1	1.5					
		2-pole	A			4		0./5	1.1	5.5					
		4-pole	В			4				5.5					
1B	112	6-pole	C			2.2				3.3					
		8-pole	D			1.5				2.2					
		2-pole	A	5.5	7.5	1.3				11					
		4-pole	B	5.5	7.5	7.5				11					
1C	132	6-pole	C	3		7.5	5.5			7.5					
		8-pole	D	2.2		3	ر.ر			7.5					
		2-pole	A	2.2		11	15	18.5		22					
	160	4-pole	В			11	13	15		18.5					
1D		6-pole	C			7.5		11		15					
		8-pole	D			4	5.5	7.5		11					
		2-pole	A			22	3.3	,.5							
		4-pole	B			18.5		22							
1E	180	6-pole	C			10.5		15							
		8-pole	D					11							
		2-pole	A					30	37						
		4-pole	В					50	30						
2A	200	6-pole	C					18.5	22						
		8-pole	D					1010	15						
		2-pole	A			45									
2B	225	4-pole	В	37		45									
		6-pole	C	37		30									
		2-pole	A			55									
2C	250	4-pole	В			55									
		6-pole	C			37									
		2-pole	A	75		90									
2D	280	4-pole	В	75		90	A1-20-20-20-20-20-20-20-20-20-20-20-20-20-								
		6-pole	C	45		55									
		2-pole	A	110		132		160	200						
3A	315	4-pole	В	110		132		160	200						
3M		6-pole	C	75		90		110	132						

100	Number of poles
0th	Order no. position
Α	2
В	4
C	6
D	8
E	10
F	12
G	14
Н	16
J	4/2 Constant torque
K	6/4 Constant torque
L	8/4 Constant torque
М	8/6/4 Constant torque
N	8/6 Constant torque
Р	4/2 Square-law load torque
Q	6/4 Square-law load torque
R	8/4 Square-law load torque
S	8/6/4 Square-law load torque
Т	8/6 Square-law load torque

## Examples

## 1LE1003-1DB63-4GB5 - Z H00

- → 1LE1 IEC motor
- → GP aluminum, IE3 = 003
- → Shaft height 160 (10)
- → 4-pole (B)
- → High-performance (6 corresponds to 18.5 kW)
- → 400 VΔ / 690 VY at 50 Hz (3-4)
- → IM V1 (6)
- → Motor protection: 3 PTC thermistors (B)
- → Terminal box on RHS (5)
- → Option Z: protective cover (H00)

Siemens AG

Large Drives

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Industry Sector

## NPE (623)

→ Shaft height 315 (SA) → 2-pole (A)

1LE1623-3AA52-2JA4

→ 1LE1 IEC motor

→ Construction length L (5 corresponds to 200 kW)

→ SD, cast-iron Performance Line,

- → 460 VY at 60 Hz (2-2)
- → IM B35 (J)
- → Without motor protection (A)
- → Terminal box on top (4)

Drive Technologies Division

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	Types of construction
14th	Order no. position
Α	IM B3, IM B6, IN B7, IM B8, IM V5,
	IM V6, stamped IM B3
В	
С	IM V5 (IM 1011
D	IM V6 ( IM 1031
E	
F	IM B5 / IM 3001, IM V1, IM V3,
	stamped IM B5 flange
G	IM V1 / IM 3011 flange
Н	IM V3 I IM 3031 flange
1	
J	IM B35 / IM 2001 flange
	IM B14 / IM 3601, IM V19 / IM 363,
к	IM V18 /
"	IM 3611
	stamped IM B14; standard flange
L	IM V19 / IM 3631 standard flange
M	IM V18 / IM 3611 standard flange
N	IM B34 / IM 2101 standard flange
0	
P	
Q	
R	
S	
T	IM B6 / IM 1051
U	IM B7 / IM 1061
٧	IM B8 / IM 1071
	Corresponding options
	(The supplement -Z is necessary
	in the order number)
P01	Next larger flange
P02	Next smaller flange
H00	Protective cover
*) Orc	ler protective cover with H00

The order number system represented applies for 1LE10 and 1LE15/6. The representation does not replace any catalog, i.e. not all of the represented order number combinations are or will be realized.

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