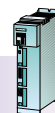


SIMOVERT MASTERDRIVES Motion Control

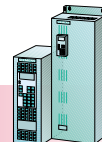
Dimension drawings

1FK6 synchronous servomotors

Compact
PLUS units



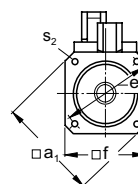
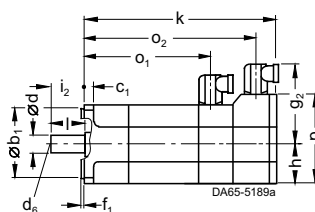
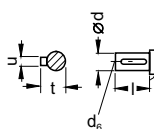
Compact and
chassis units



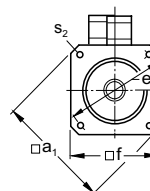
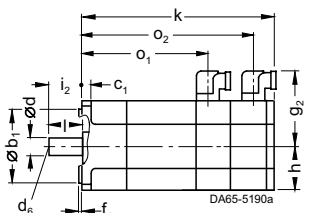
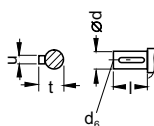
For motor		Dimension in mm (inches)														Re- solver	sin/cos incr. encod. 1 V _{pp}	D-end of shaft						
Size	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f AB	f ₁ T	g ₂ –	h H	i ₂ –	o ₁ –	o ₂ –	p HD	s ₂ S	k LB	k LB		d D	d ₆ –	l E	t GA	u F	
Type of construction IM B5, non-ventilated, with angled plug, with/without brake																								
36	1FK6032		92 (3.6)	60 (2.3)	8 (0.31)	75 (2.9)	72 (2.8)	3 (0.11)	79 (3.11)	36 (1.41)	30 (1.18)	95.5 (3.7)	154 (6.1)	78 (3.1)	6.5 (0.26)	179 (7.05)	–		14 (0.55)	M5	30 (1.18)	16 (0.62)	5 (0.19)	
48	1FK6040		120 (4.7)	80 (3.1)	10 (0.39)	100 (3.9)	96 (3.7)	3 (0.11)	85 (3.34)	48 (1.88)	40 (1.57)	83 (3.2)	134 (5.2)	–	7 (0.27)	160 (6.3)	203.5 (8.01)		19 (0.74)	M6	40 (1.57)	21.5 (0.84)	6 (0.23)	
	1FK6042											115 (4.5)	166 (6.5)			192 (7.6)	235.5 (9.3)							
63	1FK6060		155 (6.1)	110 (4.3)	10 (0.39)	130 (5.1)	126 (4.9)	3.5 (0.13)	100 (3.93)	63 (2.48)	50 (1.96)	104 (4.1)	170 (6.6)	–	9 (0.35)	200 (7.9)	238 (9.4)		24 (0.94)	M8	50 (1.96)	27 (1.06)	8 (0.31)	
	1FK6063											154 (6.1)	220 (8.6)			250 (9.8)	288 (11.3)							
80	1FK6080		186 (7.3)	130 (5.1)	13 (0.51)	165 (6.4)	155 (6.1)	3.5 (0.13)	114.5 (4.5)	77.5 (3.05)	58 (2.28)	97 (3.8)	165 (6.4)	–	11 (0.43)	195 (7.7)	242 (9.5)		32 (1.25)	M12	58 (2.28)	35 (1.37)	10 (0.39)	
	1FK6083											135 (5.3)	203 (7.9)			233 (9.17)	280 (11)							
100	1FK6100		240 (9.4)	180 (7)	13 (0.51)	215 (8.4)	192 (7.5)	4 (0.15)	132 (5.19)	96 (3.77)	80 (3.14)	113 (4.4)	188 (7.4)	155 (6.1)	14 (0.5)	218 (8.6)	265 (10.4)		38 (1.49)	M12	80 (3.14)	41 (1.61)	10 (0.39)	
	1FK6101											148 (5.8)	214 (8.4)			244 (9.6)	291 (11.5)							
	1FK6103											174 (6.8)	240 (9.4)			270 (10.6)	317 (12.5)							

1FK6032

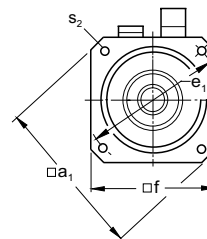
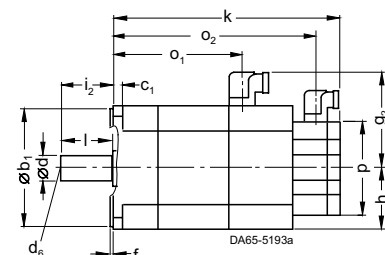
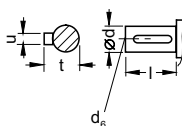
Shaft
with featherkey



1FK604.
1FK606.
1FK608.



1FK6100



1FK6101
1FK6103

