

## DC motor



- DC motor with gear
- M12 motor plug

**part number**

MOT - DC - 36 - M - A - D

specifics (nominal speed[1/min])	
A	Ø 37=350
B	Ø 37=112
C	-
D	Ø 36=190 Ø 37=47 Ø 42=252
E	-
F	Ø 42=96
G	-
H	Ø 37=17

option	
A	without

motor connection	
M	M12 connector

outer diameter	
36	36 mm
37	37 mm
42	42 mm

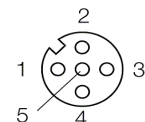
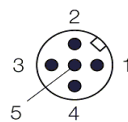
motor type	
DC	DC motor

product group	
MOT	motor

technical data									
		MOT-DC-37-M-A-A	MOT-DC-37-M-A-B	MOT-DC-36-M-A-D	MOT-DC-37-M-A-D	MOT-DC-42-M-A-D	MOT-DC-37-M-A-H	MOT-DC-42-M-A-F	
<b>Motor</b>									
nominal voltage	[VDC]	24	24	24	24	24	24	24	
nominal torque	[Nm]	0,1	0,3	0,5	0,7	1,0	1,5	1,8	
starting torque	[Nm]	0,3	0,5	1	1	3	1,8	6	
no-load speed	[1/min]	440	146	223	58	290	22	115	
nominal speed	[1/min]	350	112	190	47	252	17	101	
nominal current	[A]	0,5	0,5	0,9	0,5	2,3	0,5	2,0	
max. shaft load axial (10mm from flange)	[N]	6,8	6,8	25	6,8	30	6,8	30	
max. shaft load radial (10mm from flange)	[N]	9,8	9,8	30	9,8	50	9,8	50	
gear ratio	[i]	10	30	27	75	24	200	61	

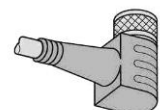
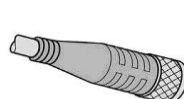
weight									
motor	[kg]	0,280	0,280	0,420	0,280	0,580	0,280	0,580	

operating data									
ambient temperature	[°C]	-10 ...+50							
max temperature rise	[°C]	60							
humidity (not condensing)	[%]	85							
protection class (all mounting screws must be used to ensure the protection class. Motor shaft must installed downward)		IP41	IP41	IP41	IP41	IP41	IP41	IP41	
operation mode		S2 (short-time duty)							

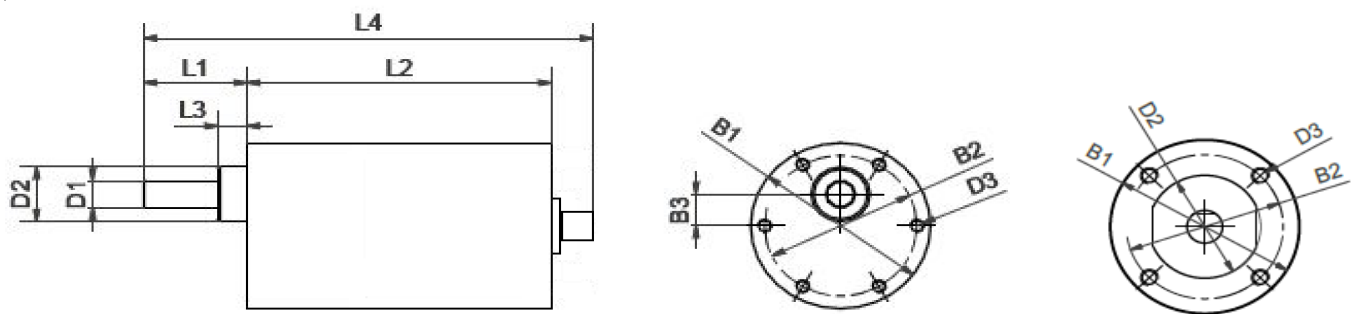


plug connection	motor		motor cable	
	M12 / 5 pole / male		M12 / 5 pole / female	
	PIN	signal	color	
	1	plus	brown	
	2	-	-	
	3	minus	blue	
	4	-	-	
	5	-	-	

motor cable				
order number	outer jacket	type	cable length	plug
bending radius moved < 10m travel distance: min. 5 x d				
MAT9043737	TPE	CF9.INI	3	straight
MAT9043738	TPE	CF9.INI	5	straight
MAT9043740	TPE	CF9.INI	10	straight
MAT9043742	TPE	CF9.INI	3	angulate
MAT9043743	TPE	CF9.INI	5	angulate
MAT9043745	TPE	CF9.INI	10	angulate



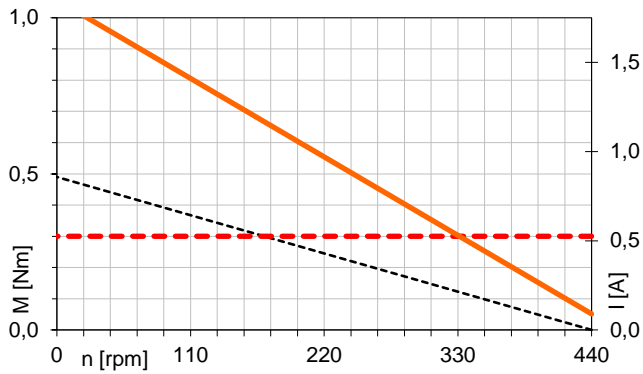
**technical data**  
**dimension**



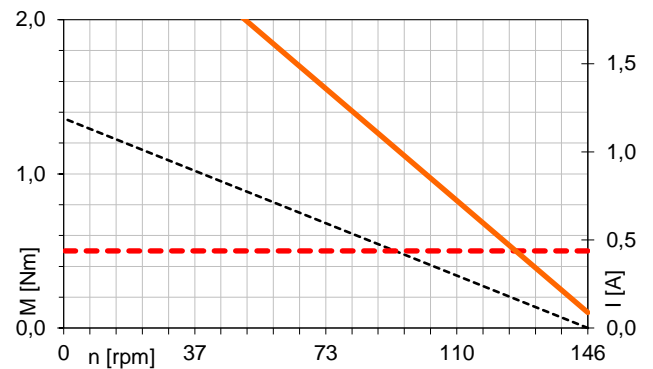
type	B1 [mm] ±0,3	B2 [mm] ±0,2	B3 [mm] ±0,1	D1 Ø [mm] -0,013	D2 Ø [mm] ±0,025	D3 Ø [mm]	L1 [mm] ]	L2 [mm] ±1	L3 [mm]	L4 [mm]
MOT-DC-37-M-A-A	42,0	31	7	6,0	12,0	M3	21,0	100	6,0	134,0
MOT-DC-37-M-A-B	42,0	31	7	6,0	12,0	M3	21,0	100	6,0	134,0
MOT-DC-36-M-A-D	41,0	26	0	6,0	20,0	M3	19,3	126	3,0	158,3
MOT-DC-37-M-A-D	42,0	31	7	6,0	12,0	M3	21,0	100	6,0	134,0
MOT-DC-42-M-A-D	47,3	35	0	8,0	25,0	M4	22,0	146	2,0	181,0
MOT-DC-37-M-A-H	42,0	31	7	6,0	12,0	M3	21,0	100	6,0	134,0
MOT-DC-42-M-A-F	47,3	35	0	8,0	25,0	M4	22,0	146	2,0	181,0

## characteristic (24VDC)

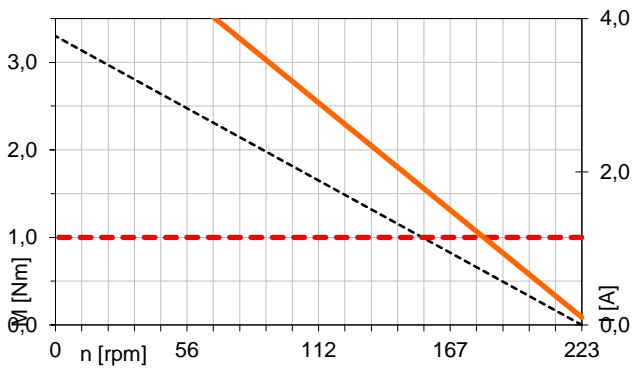
MOT-DC-37-M-A-A



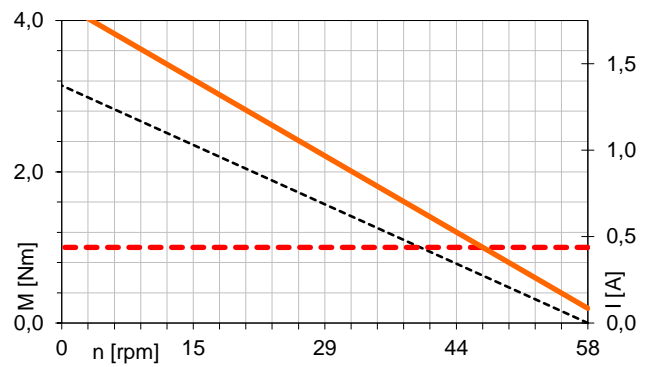
MOT-DC-37-M-A-B



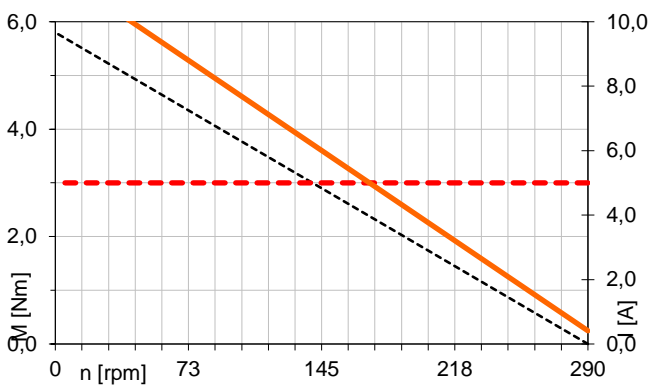
MOT-DC-36-M-A-D



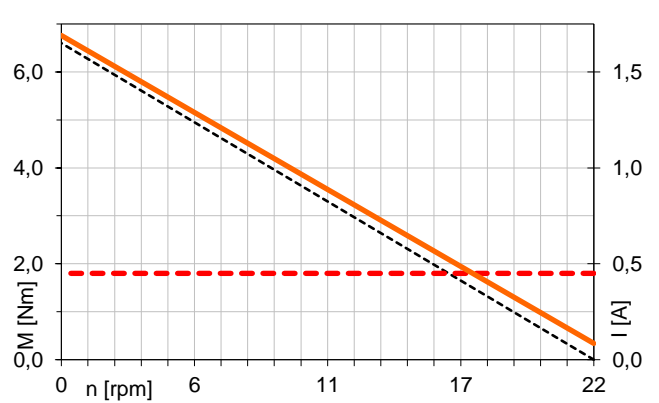
MOT-DC-37-M-A-D



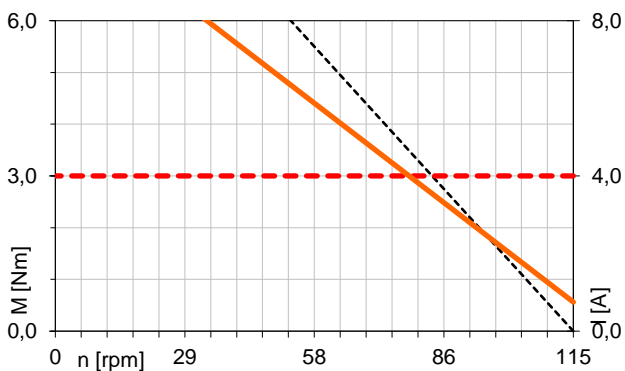
MOT-DC-42-M-A-D



MOT-DC-37-M-A-H



MOT-DC-42-M-A-F



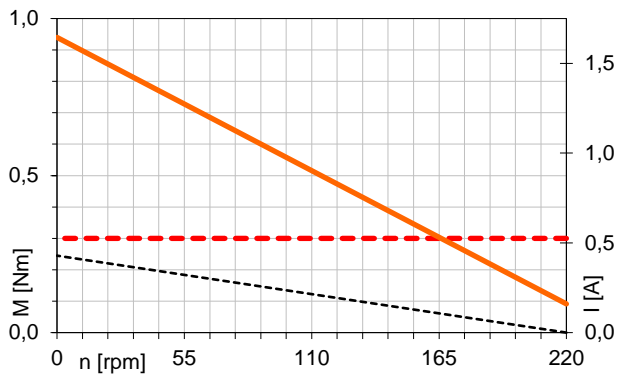
--- motor torque

--- max. continuous torque

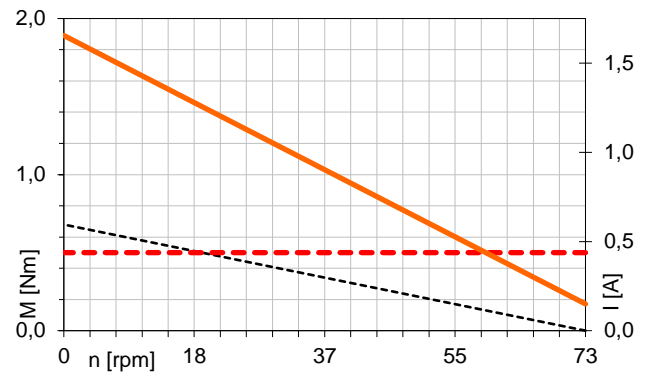
— motor current

## characteristic (12VDC)

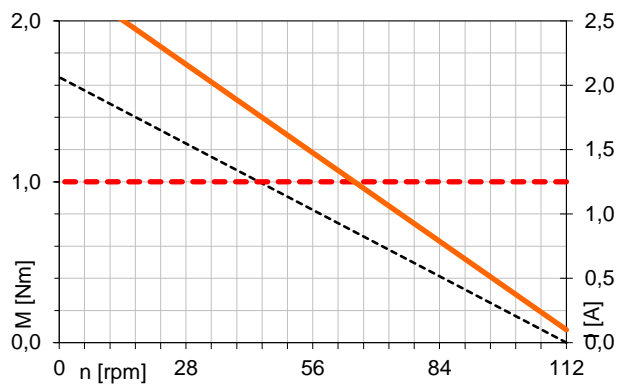
MOT-DC-37-M-A-A



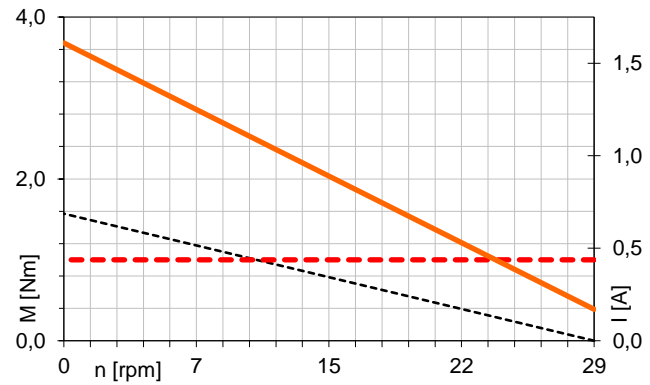
MOT-DC-37-M-A-B



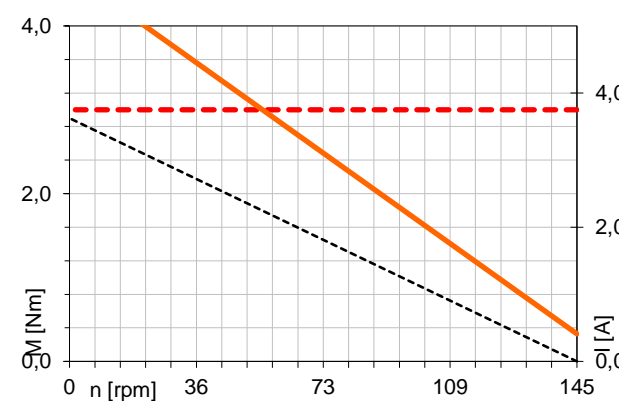
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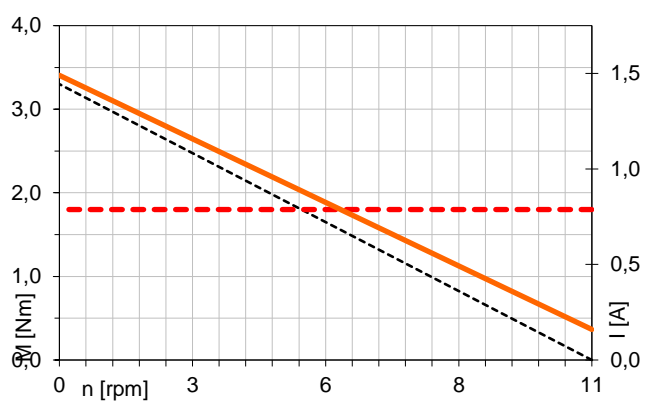
MOT-DC-37-M-A-D



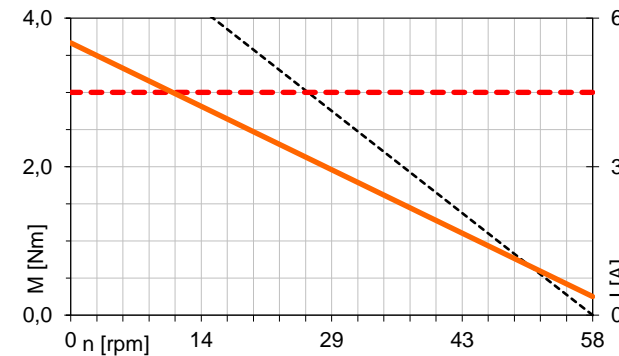
MOT-DC-42-M-A-D



MOT-DC-37-M-A-H



MOT-DC-42-M-A-F



--- motor torque

--- max. continuous torque

— motor current