PM10 PMDC motor

Ø66 mm frame // 26 mm stack

parvalux by **maxon**

4x M5 on Ø67.6 PCD

3x Mounting Feet
M5 x 10mm

all dimensions in mm

25   PM10 = 107mm [4.21"]   15

FLYING LEADS 300mm

Ø 34.00 / 33.97

Ø 66

A

B

PM10/11 (66/85)

-0.005
Ø 8 g6 -0.014

| / | 0.05 |
| ◎ | 0.1 | A |

-0.005
Ø 8 g6 -0.014

| / | 0.05 | B |

Part number key	
Modular	######
Standard	######
Calculated data	######

Please see our customisation options page for details on the modifications available on our products. Advice and guidance on these options are available from your local sales contact.

Technical data

1	Part number		775321	775322	775323	775324	775325	775326
2	Nominal power	W	45	45	45	45	45	45
3	Nominal voltage	V	12	24	40	48	110	220
4	No load speed	rpm	4185	3895	3820	4082	4252	3707
5	No load current	A	0.70	0.34	0.19	0.21	0.07	0.04
6	Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7	Nominal continuous torque (S1)	Nm	0.14	0.14	0.14	0.14	0.14	0.14
8	Nominal continuous current (S1)	A	6.00	2.60	1.70	1.55	0.64	0.30
9	Max. intermittent torque (S2 - 15 minutes)	Nm	0.20	0.20	0.20	0.20	0.20	0.20
10	Stall current	A	32.0	11.0	7.9	6.9	3.3	1.5
11	Stall torque	Nm	0.8	0.7	0.7	0.7	0.8	0.8
12	Stack length	mm	26	26	26	26	26	26
13	Maximum efficiency	%	71	74	67	66	73	69
14	Terminal resistance	Ω	0.3	1.2	5.1	5.6	23.7	116.0
15	Terminal inductance	mH	-	-	-	-	-	-
16	Speed constant	rpm/V	341	154	93	80	35	16
17	Torque constant	Nm/A	0.062	0.062	0.092	0.105	0.240	0.540
18	Speed torque gradient	rpm/Nm	5165	5765	5385	5854	5342	4827
19	Rotor inertia	gcm²	944	944	944	944	944	944

Thermal data

20	Ambient temperature	°C	40

Mechanical data

21	Radial load [distance from flange]	N [mm]	150 [15]

Other data

22	Number of poles		2
23	Weight	Kg	1.1
24	IP rating		IP54
25	Enclosure		Enclosed
26	Insulation Class		F
27	Reversible		Yes

Compatible products

Gearbox	+L mm		Brake	+L mm		Encoder	+L mm
S Box	59.0		1.5 Nm	28.2		Incr. 5-pin	9.0
M Box	85.0		2.0 Nm	32.4		Incr. 10-pin	9.0
MWS	110.0		4.0 Nm	27.7		Diff. 10-pin	12.0
MIW	83.0		Power-on	26.4		Magnetic	12.0
LWS	127.0						
LIW	102.0		**Controller**			**Key**	
LIS	108.0		SC 50/15			Standard combination	
GB28	85.0		ESCON			Modular combination	
GB36	166.0		EPOS				
GB58	50.0					**+L mm** = approximate added length*	
GB80	80.0						

*additional length may also be required for mounting flange between components