PM11 PMDC motor
Ø66 mm frame // 44 mm stack

parvalux by **maxon**

25 PM11 = 126mm [4.96"] 15

FLYING LEADS 300mm

4x M5 on Ø67.6 PCD

3x Mounting Feet
M5 x 10mm

35

Ø34.00
Ø33.97

Ø 66

Ø 8 g6 -0.005/-0.014
| ⌀ | 0.05 |
| ◎ | 0.1 | A |

PM10/11 (66/85)

Ø 8 g6 -0.005/-0.014
| ⌀ | 0.05 | B |

all dimensions in mm

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		775328	775329	775330	775331	775332	775333
2	Nominal power	W	101	101	101	101	101	101
3	Nominal voltage	V	12	24	40	48	110	220
4	No load speed	rpm	4004	4012	3804	3844	3627	3957
5	No load current	A	0.60	0.40	0.28	0.23	0.12	0.05
6	Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7	Nominal continuous torque (S1)	Nm	0.32	0.32	0.32	0.32	0.32	0.32
8	Nominal continuous current (S1)	A	12.3	5.6	3.3	1.2	1.2	0.7
9	Max. intermittent torque (S2 - 15 minutes)	Nm	0.53	0.53	0.53	0.53	0.53	0.53
10	Stall current	A	47.0	22.0	17.0	14.0	6.4	2.5
11	Stall torque	Nm	1.3	1.3	1.8	1.8	1.9	1.3
12	Stack length	mm	44	44	44	44	44	44
13	Maximum efficiency	%	76	81	82	82	80	74
14	Terminal resistance	Ω	0.1	0.7	2.4	1.2	17.2	50.0
15	Terminal inductance	mH	-	-	-	-	-	-
16	Speed constant	rpm/V	321	162	93	77	33	18
17	Torque constant	Nm/A	0.03	0.06	0.10	0.12	0.30	0.52
18	Speed torque gradient	rpm/Nm	3149	3061	2142	2165	1914	3051
19	Rotor inertia	gcm²	1260	1260	1260	1260	1260	1260

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	1.6
24	IP rating		IP54
25	Enclosure		Enclosed
26	Insulation Class		F
27	Reversible		Yes

Compatible products

Gearbox	+L mm
S Box	59
M Box	85
MWS	110
MIW	83
LWS	127
LIW	102
LIS	108
GB28	85
GB36	166
GB58	50
GB80	80

Brake	+L mm
1.5 Nm	28.2

Encoder	+L mm
Optical	9
Magnetic	12

+L mm = approximate added length*

Controller	
SC 50/15	
ESCON	
EPOS	

Compatible products key	
Product name	Standard combination
Product name	Modular combination

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