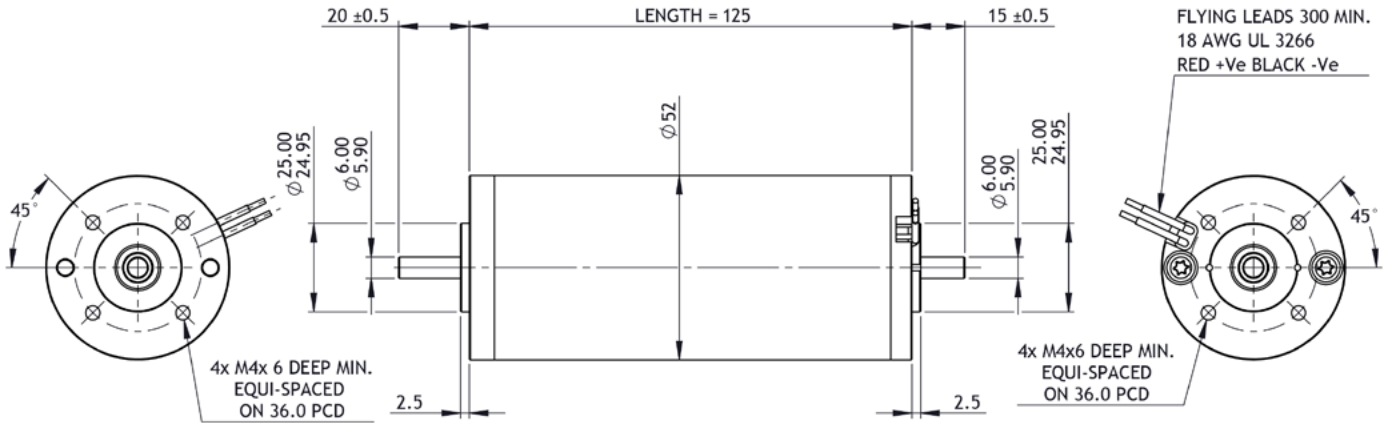
BRx52-58 PMDC motor

Ø52 mm frame // 58 mm stack

parvalux by maxon



all dimensions in mm

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

Available on request: Custom shaft length and diameter, shaft on both sides, special windings for specific voltages and speed, higher IP protection class, custom flanges and connectors

All products are built in accordance to performance tolerances from EN60034-1:2010. As continuous improvement, Parvalux periodically test their product range to ensure test results are as accurate as possible and are therefore subject to change. Please ensure you are using the latest datasheets found on our website

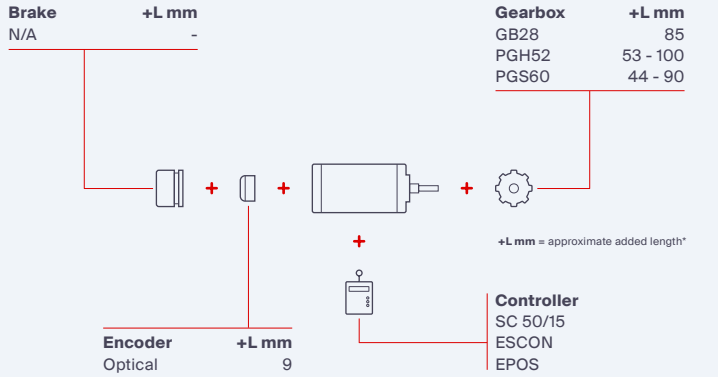
	Technical data				
1	Part number		787111	787113	787114
2	Nominal power	W	69	69	69
3	Nominal voltage	V	12	24	48
4	No load speed	rpm	3760	3840	3838
5	No load current	A	0.37	0.40	0.16
6	Nominal speed	rpm	3000	3000	3000
7	Nominal continuous torque (S1)	Nm	0.22	0.22	0.22
8	Nominal continuous current (S1)	A	7.6	3.9	2.2
9	Max. intermittent torque (S2 - 15 minutes)	Nm	0.35	0.35	0.35
10	Stall current	A	35.6	19.0	9.5
11	Stall torque	Nm	1.0	1.1	1.0
12	Stack length	mm	58	58	58
13	Maximum efficiency	%	79	80	80
14	Terminal resistance - phase to phase	Ω	0.330	0.937	3.420
15	Terminal inductance - phase to phase	mH	-	1.272	5.217
16	Speed constant	rpm/V	307.0	161.8	80.8
17	Torque constant	Nm/A	0.031	0.056	0.100
18	Speed torque gradient	rpm/Nm	3500	3805	4411
19	Rotor inertia	Kgcm²	5.7×10^{-5}	5.7×10^{-5}	5.7×10^{-5}

	Thermal data		
20	Ambient temperature	°C	40

	Mechanical data		
21	Radial load [distance from flange]	N [mm]	90 [15]

	Other data		
22	Number of poles		2
23	Weight	Kg	1.16
24	IP rating		IP54
25	Enclosure		Enclosed
26	Insulation Class		F
27	Reversible		Yes

Modular system



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

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additional information available on request