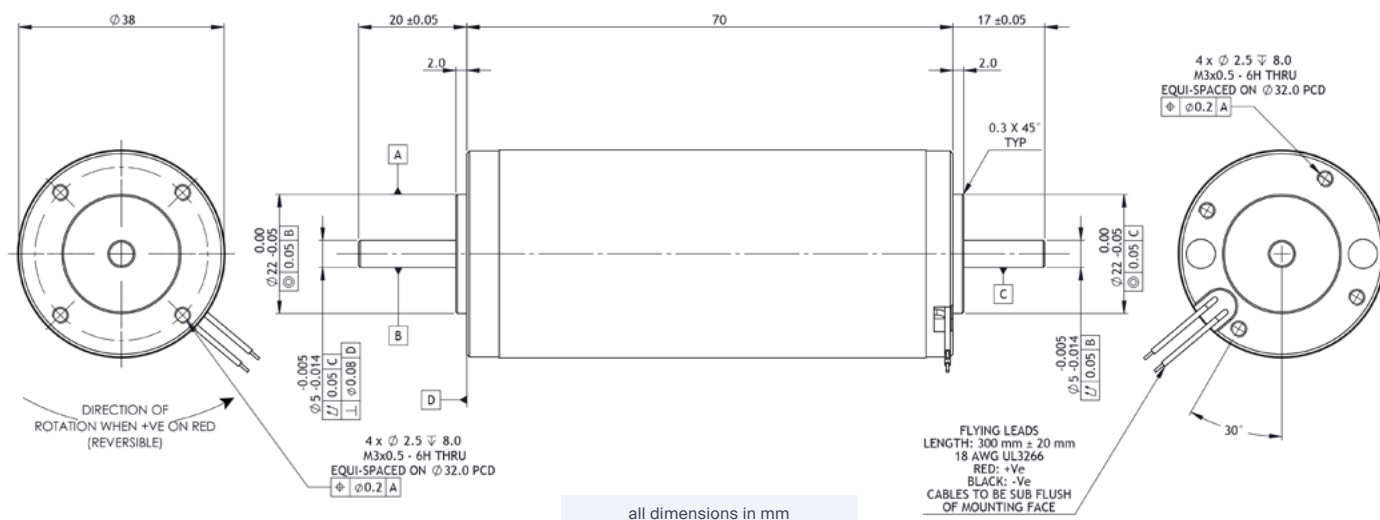


RE38-25 PMDC rare-earth magnet motor

Ø38 mm frame // 25 mm stack

parvalux
by **maxon**



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

Technical data			
1 Part number		857662	857663
2 Nominal power	W	24	24
3 Nominal voltage	V	24	48
4 No load speed	rpm	4090	4175
5 No load current	A	0.2	0.1
6 Nominal speed	rpm	3250	3250
7 Nominal continuous torque (S1)	Nm	0.07	0.07
8 Nominal continuous current (S1)	A	1.37	0.70
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.11	0.11
10 Stall current	A	7.64	3.83
11 Stall torque	Nm	0.41	0.41
12 Stack length	mm	25	25
13 Maximum efficiency	%	0.78	0.77
14 Terminal resistance	Ω	2.53	9.91
15 Terminal inductance	mH	2.285	9.150
16 Speed constant	rpm/V	173.6	879
17 Torque constant	Nm/A	0.05	0.11
18 Speed torque gradient	rpm/Nm	10197	10541
19 Rotor inertia	Kgcm ²	9.5×10^{-6}	9.5×10^{-6}

Thermal data Modular system

20 Ambient temperature	$^{\circ}\text{C}$	40
------------------------	--------------------	----

Mechanical data		
21 Radial load [distance from flange]	N [mm]	60 [20]

Other data		
22 Number of poles		2
23 Weight	Kg	0.30
24 IP rating		IP50
25 Enclosure		Enclosed
26 Insulation Class		F
27 Reversible		Yes

Gearbox	+L mm	Brake	+L mm	Controller
PGx42	370 - 81.0	N/A	-	SC 50/15
Encoder	+L mm	Key		
Incr. 5-pin	9.0	Standard combination		
Incr. 10-pin	9.0	Modular combination		
Diff. 10-pin	12.0	+L mm = approximate added length*		

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