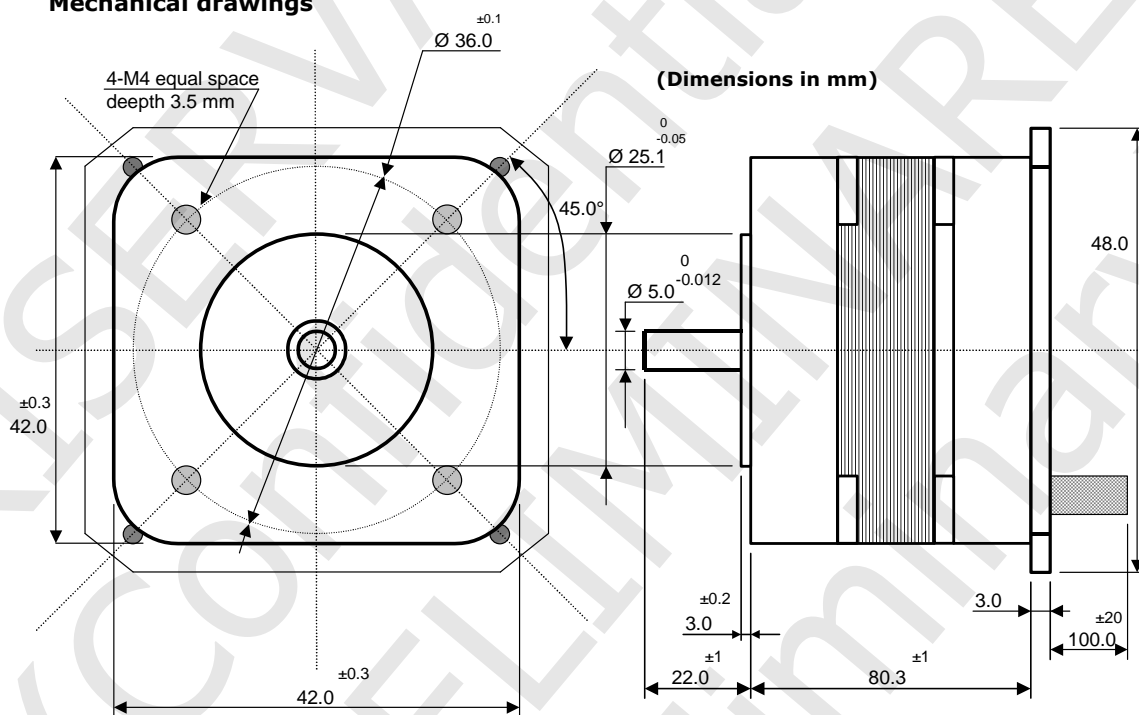


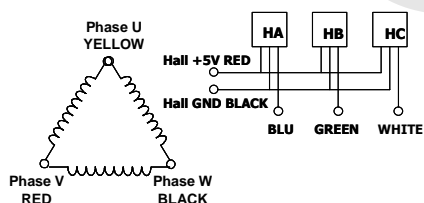
Motor Size	1.7" - 42 mm square flange	Hall effect angle	120° electrical angle
Front shaft	22.0 mm length Ø 5.00 mm	Rear shaft	None
# of lead wires	# 3 wires + # 5 hall sensor	Winding type	Delta
Nominal voltage	24 V	# of poles	# 8
# of phases	# 3	Lead wires length	100 mm ±20 mm
Peak torque	0.56 Nm	Rated torque	0.185 Nm
Motor power	78 Watt	Rated speed	4000 rpm ±10%
No load speed	6100 rpm ±10%	Torque constant	0.038 Nm/A
Line to line resistance	0.43 ohms ±10% @20°C	Line to line inductance	0.71 mH ±20%
Back E.M.F.	2.74 V/Krpm ±10%	Rotor inertia	72 g.cm <sup>2</sup>
No load current	< 0.5 A	Insulation class	Class B, 130°C

### Mechanical drawings



Connection lead wires color diagram

Lead #	Lead Gauge	Lead Color	Lead Function	Description
1		RED	Vcc	Supply voltage for Hall sensor +5V
2	UL1430 26AWG	BLACK	GND	Ground for Hall sensor
3		BLUE	Hall 1	
4		GREEN	Hall 2	
5		WHITE	Hall 3	
6	UL1430 20AWG	YELLOW	Phase U	
7		RED	Phase V	
8		BLACK	Phase W	



Rear flange

