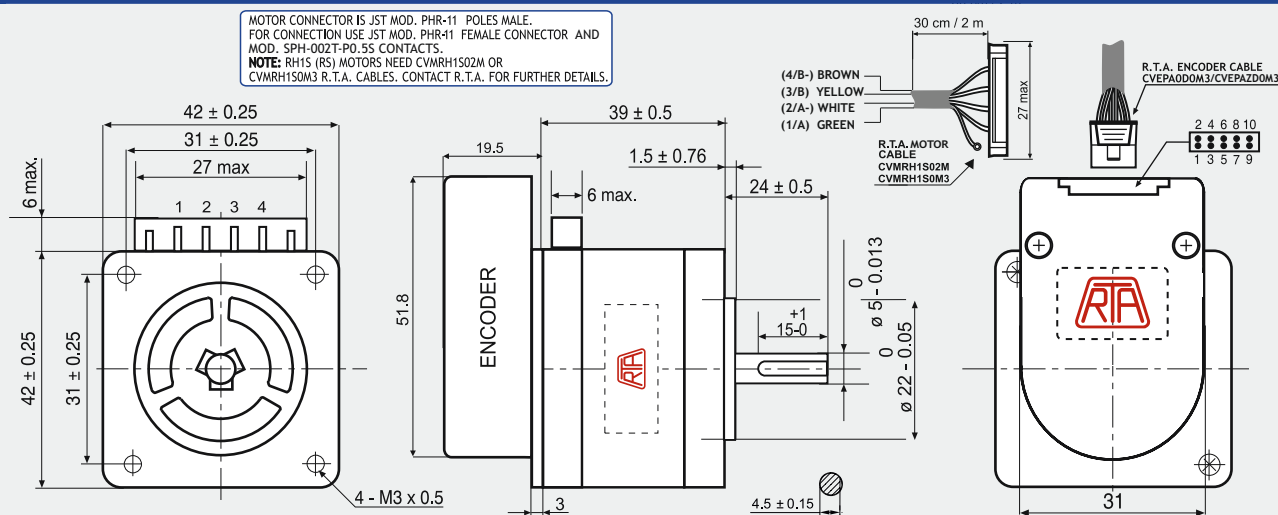


RH 1S1M-OXX0

Dimensions (Unit:mm)

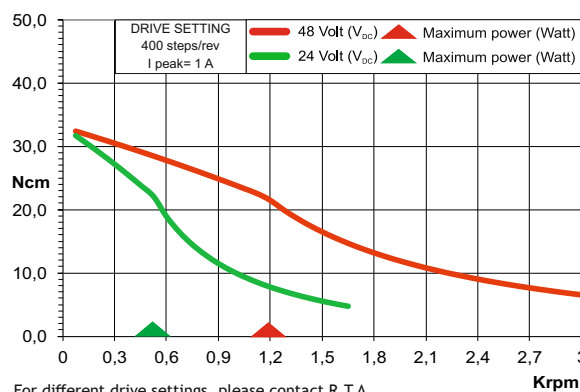


ENCODER OPTIONS:	RH 1S1M-04D0	RH 1S1M-04E0	RH 1S1M-0HE0
RESOLUTION	400 cpr	400 cpr	4000 cpr
INDEX	No	Yes	Yes
CURRENT CONSUMPTION (mA)	50	50	100
HIGH LEVEL OUTPUT (Volt)	5 (TIP) - 4.75 (MIN) (I _{MAX} =25mA)	3.4 (TIP) - 2.4 (MIN) (I _{MAX} =20mA)	3.4 (TIP) - 2.4 (MIN) (I _{MAX} =20mA)
LOW LEVEL OUTPUT (Volt)	0.25 (TIP) - 0.6 (MAX) (I _{MAX} =25mA)	0.2 (TIP) - 0.4 (MAX) (I _{MAX} =20mA)	0.2 (TIP) - 0.4 (MAX) (I _{MAX} =20mA)
OUTPUT SIGNAL	Differential	Differential	Differential
MAXIMUM FREQUENCY (KHz)	100	100	720
POWER SUPPLY VOLTAGE (Volt)	5 V _{DC} ± 10%	5 V _{DC} ± 10%	5 V _{DC} ± 10%

FEATURES

MODEL	RH 1S1M
BASIC STEP ANGLE	1.8°
BIPOLAR CURRENT (A)	1.0
UNIPOLAR CURRENT (A)	
RESISTANCE (Ohm)	4.6
INDUCTANCE (mH)	9.6
BIPOLAR HOLDING TORQUE (Ncm)	43
UNIPOLAR HOLDING TORQUE (Ncm)	
ROTOR INERTIA (Kg m ² x 10 ⁻⁷)	46
THEORETICAL ACCELERATION (rad x sec. ⁻²)	93500
BACK E.M.F. (V/Krpm)	43
MASS (Kg)	0.3
LEADS CODE	V

TORQUE/SPEED CURVE



RTA MOTOR CABLE COLORS

DESCRIPTION	
CHANNEL A	GREEN
CHANNEL A-	WHITE
CHANNEL B	YELLOW
CHANNEL B-	BROWN

ENCODER PIN-OUT

DESCRIPTION	04D0 PINS	04E0/0HE0 PINS	R.T.A. CABLE LEADS COLOR
CHANNEL A+	6	6	GREEN
CHANNEL A-	5	5	PURPLE
CHANNEL B+	8	8	BLUE
CHANNEL B-	7	7	BROWN
+ DC (5V)	2	2	RED
GROUND	3	3	BLACK
INDEX+	/	10	ORANGE
INDEX-	/	9	WHITE

R.T.A. CABLE (30 cm) CVEPA00M3 CVEPAZ0M3

Suggested R.T.A. driver: BSD series, CSD/CSD J/A-CSD Series, NDC/A-NDC Series.



R.T.A. s.r.l.
Via E. Mattei - Fraz. Divisa
27020 MARCIGNAGO (PV) ITALY
Tel. +39.0382.929.855
Fax +39.0382.929.150
www.rta.it

R.T.A. Deutschland GmbH
Bublitzter Straße 34
40599 DÜSSELDORF (Germany)
Tel. +49.211.749.668.60
Fax +49.211.749.668.66
www.rta-deutschland.de

R.T.A. IBERICA-Motion Control Systems S.L.
C/Generalitat 22, Local 1.
08850 GAVA - BARCELONA (Spain)
Tel. +34.936.388.805
Fax +34.936.334.595
www.rta-iberica.es

R.T.A. INDIA REPRESENTATIVE OFFICE
Teerth Business Center 3rd Floor, Unit No. 7,
Block EL-15, MIDC Bhosari Pimp-Chinchwd,
Pune 411026 (India)
Tel. +91 9422507445
www.rta-india.in