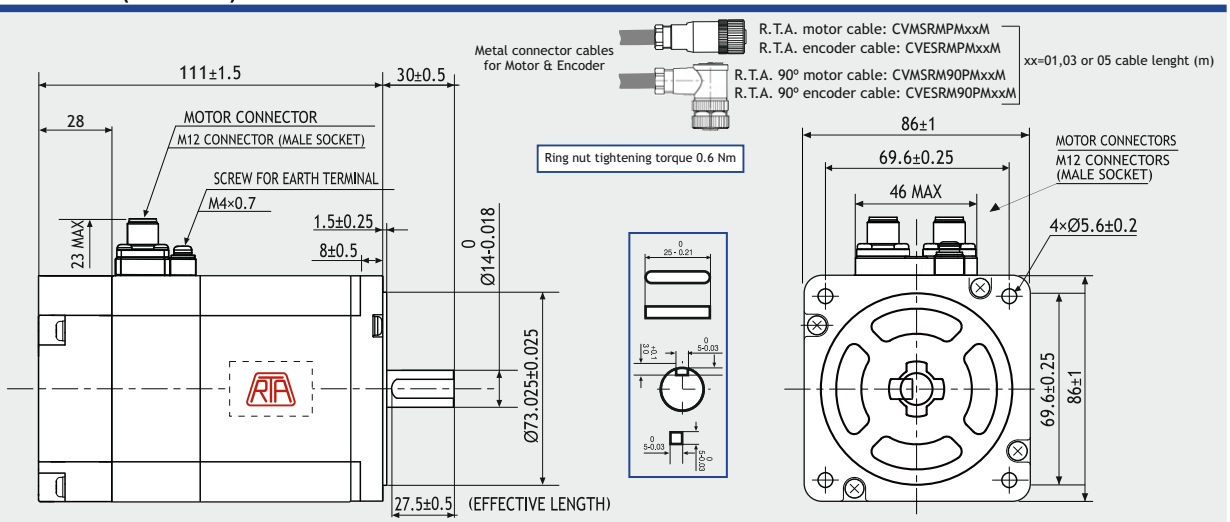
RM 3T1M-00HT

NEW!

BATTERY-LESS ABSOLUTE ENCODER

Dimensions (Unit:mm)



ENCODER FEATURES:

ENCODER MOTOR		RM 3T3M-00HT
RESOLUTION		DRIVE RELATED
MULTI-TURN RESOLUTION		2^{16}
CURRENT CONSUMPTION	(mA)	60
HIGH LEVEL OUTPUT	(Volt)	**5 (TIP) - 4.75 (MIN)**
LOW LEVEL OUTPUT	(Volt)	**0.25 (TIP) - 0.6 (MAX)**
OUTPUT SIGNAL		BiSS-C/SSI
POWER SUPPLY VOLTAGE	(Volt)	5 V_{DC} ± 10%

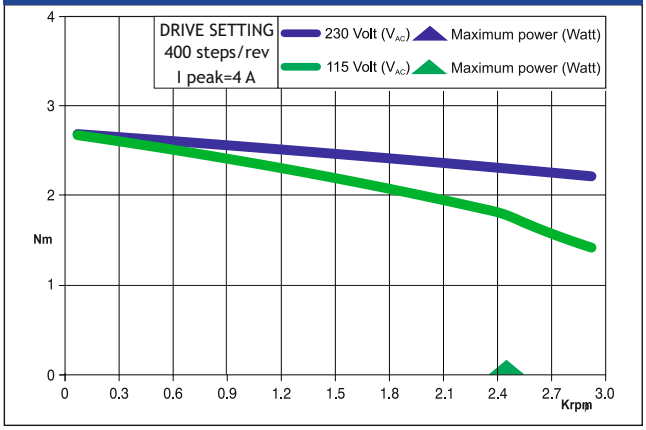
ENCODER CONNECTOR PIN-OUT

DESCRIPTION	X-PLUS AS4 C4 CON. PINS	M12 MOTOR PINS	RTA CABLE LEADS COLOR
CLOCK +	47	1	BLUE
CLOCK -	46	2	BROWN
DATA +	45	3	GREEN
DATA -	44	4	PURPLE
GND	48	5	BLACK
RESET	42	6	WHITE
NC	43	7	ORANGE
+ 5 VDC	41	8	RED

MOTOR FEATURES:

MODEL		RM 3T1M
BASIC STEP ANGLE		1.8 ± 0.09°
BIPOLAR CURRENT	(A)	4
RESISTANCE	(Ohm)	0.56
INDUCTANCE	(mH)	3.7
BIPOLAR HOLDING TORQUE	(Ncm)	360
ROTOR INERTIA	(Kgm ^{2} x 10 $^{-7}$)	1480
THEORETICAL ACCELERATION	(rad x sec.$^{-2}$)	24300
BACK E.M.F.	(V/Krpm)	90
MASS	(Kg)	1.95
INTERNATIONAL STANDARDS		UL, CSA, CE, RoHS
INSULATION VOLTAGE	(V)	250 V_{AC} (350 V_{DC})
PROTECTION DEGREE - INSULATION CLASS		IP 54 - CLASS F
LEADS CODE		V

TORQUE/SPEED CURVE



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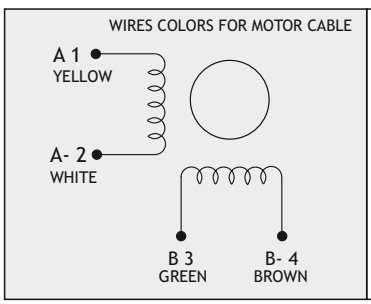

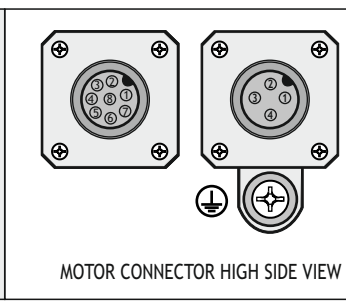

Only for R.T.A. 230 Vac X-PLUS AS4 drive

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