

Technical drawing of the R.A. 90° encoder cable assembly, showing side and front views with dimensions and labels.

Dimensions (mm):

- Overall length: 142 ± 1.5
- Distance from end to connector: 30 ± 0.5
- Distance from end to earth terminal: 28
- Distance between earth terminal and connector: 8 ± 0.5
- Distance from connector to end: 1.5 ± 0.25
- Overall width: 86 ± 1
- Distance between motor connectors: 69.6 ± 0.25
- Distance between M12 connectors: 46 MAX
- Distance between mounting holes: $4 \times \varnothing 5.6 \pm 0.2$
- Distance from end to mounting holes: 69.6 ± 0.25
- Distance from end to mounting holes: 86 ± 1
- Effective length: 27.5 ± 0.5
- Distance from end to mounting holes: 23 MAX
- Distance from end to mounting holes: 0
- Distance from end to mounting holes: $\varnothing 14 \pm 0.018$
- Distance from end to mounting holes: $\varnothing 73.025 \pm 0.025$

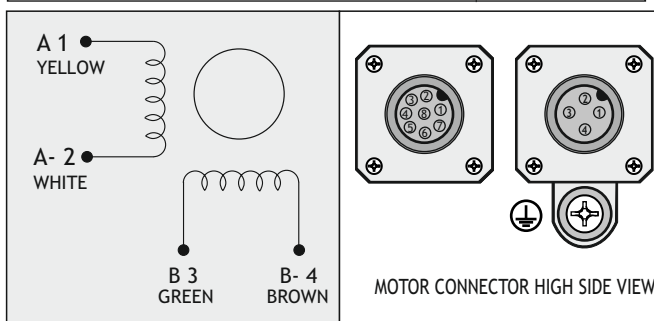
Labels:

- MOTOR CONNECTOR
- M12 CONNECTOR (MALE SOCKET)
- SCREW FOR EARTH TERMINAL
- M4x0.7
- Ring nut tightening torque 0.6 Nm
- MOTOR CONNECTORS
- M12 CONNECTORS (MALE SOCKET)
- 4xØ5.6±0.2
- XX=01m or 03m

Legend:

- (1/A) YELLOW
- (2/A-) WHITE
- (3/B) GREEN
- (4/B-) BROWN
- R.T.A. motor cable: CVMRMPMXXM
- R.T.A. encoder cable: CVERMPMXXM
- R.T.A. 90° motor cable: CVMRM90PMXXM
- R.T.A. 90° encoder cable: CVERM90PMXXM

FEATURES		
MODEL		RM 3T2M
BASIC STEP ANGLE		1.8 ± 0.09°
BIPOLAR CURRENT	(A)	4
RESISTANCE	(Ohm)	0.83
INDUCTANCE	(mH)	6.4
BIPOLAR HOLDING TORQUE	(Ncm)	700
ROTOR INERTIA	(Kg m ² x 10 ⁻⁷)	3000
THEORETICAL ACCELERATION	(rad x sec. ⁻²)	23330
BACK E.M.F.	(V/Krpm)	175
MASS	(Kg)	3.1
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



ENCODER CONNECTOR PIN-OUT			
DESCRIPTION	04D0 PINS	04E0/0HE0 PINS	R.T.A. CABLE LEADS COLOR
CHANNEL B+	3	3	 GREEN
CHANNEL B-	4	4	 PURPLE
CHANNEL A+	1	1	 BLUE
CHANNEL A-	2	2	 BROWN
+ DC (5V)	8	8	 RED
GROUND	5	5	 BLACK
INDEX+	/	7	 ORANGE
INDEX-	/	6	 WHITE

CVMRMPM_{xx}M

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