PRELIMINARY

Combo Unit: R-MOD ET

INTRODUCTION

- New series of stepper motors with integrated ministep bipolar chopper drives; setting by means of EtherCAT interface and based on encoder.
- More compact system housed in a metallic box mounted on motor body, minimizing dimensions and optimizing wiring and mounting easiness.
- Target: advanced applications with distributed electronics requiring compact dimensions and ensuring perfect integration in complex EtherCAT architectures.

HIGHLIGHTS EtherCAT INTERFACE

- Communication by means of EtherCAT (CoE) interface.
- Modes of operation: PROFILE POSITION and CSP.
- Different variety of HOMING operation modes.
- PROXIMITY hardware input.
- Motor current overboost.
- Intelligent management of the current profile.

R-MOD ET X_1 - X_2 - X_3 - X_4 - X_5 - n		
X_1 = Electronic features	*$X_2X_3X_4X_5$ = Motor type and power*	*n = Release software*
E: EtherCAT - Encoder	X_2 = Maximum power X_3 = Mechanical hardware identification X_4 = Motor type X_5 = Motor current	Alphanumeric character
Available version: R-MOD ET E3H2MA		

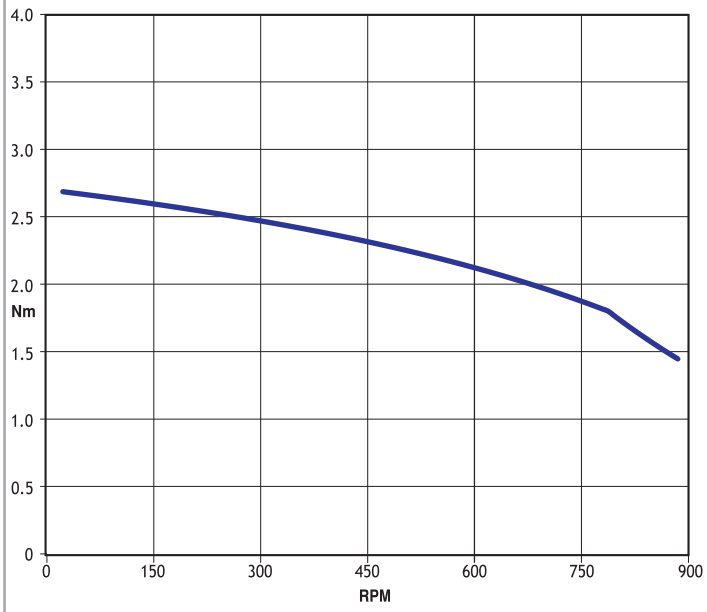
TECHNICAL FEATURES

- Range of operating voltage: 24-48 $V_{DC.}$
- Automatic current reduction at motor standstill.
- Protections:

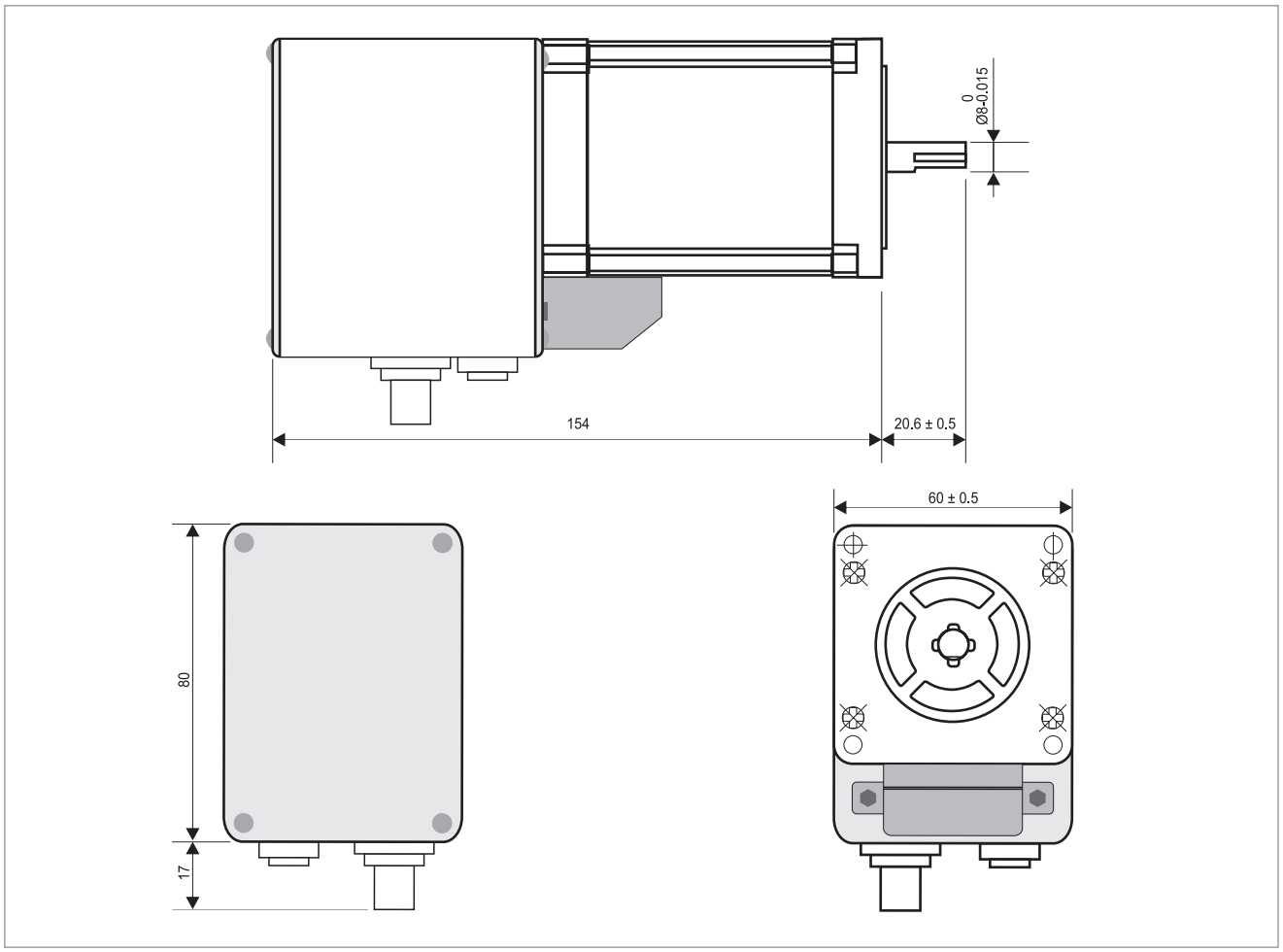
  -Protection against under-voltage and over-voltage.
  -Protection against a short-circuit at motor outputs.
  -Overtemperature protection.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- Command to execute runs with position control to set: distance, direction, speed and acceleration.
- Command to execute zero research (HOMING).
- Possibility to detect motor loss of synchronism or stall and position error by means of encoder.

EtherCAT®

R-MOD ET MOTORS (□ 60 mm)
TORQUE CURVE - 48 V_{DC}



MECHANICAL DIMENSIONS



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