

- Rugged high torque positioning unit
- Brushless motor & real absolute encoder
- Free configurable inputs/outputs



RD4

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range:	0°C +60°C (32°F +140°F)
Storage temperature range:	-20°C +80°C (-4°F +176°F) (98% R.H. without condensation)
Protection:	IP54

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft hollow:	Ø 14 mm
Shaft loading (axial and radial):	100 N, 200 N
Positioning accuracy:	± 0,9°
Electrical connections:	M12 connectors
Duty cycle:	50% ED
Torque and shaft rotational speed:	10 Nm @ 94 rpm / 6 Nm with continuous duty
Starting torque:	24 Nm
Weight:	~ 2,8 kg (98.7 oz)

ELECTRICAL SPECIFICATIONS

Resolution:	1024 inf./rev. x 1024 rev.
Power supply:	+24Vdc ± 10%
Power (motor):	100 W
Input current:	motor: 6,5 A max. control unit: 75 mA max.
Bus Interface:	Profibus-DP, CANopen (DS301), Modbus RTU
Inputs:	3 x 24V
Output:	3 x o.c. @ 100 mA

MATERIALS

Flange:	non corroding, UNI EN AW-6082
Housing:	non corroding, UNI EN AW-6082
Bearings:	ABEC 5
Shaft:	stainless steel non-magnetic, UNI EN 4305
Motor:	Brushless motor

