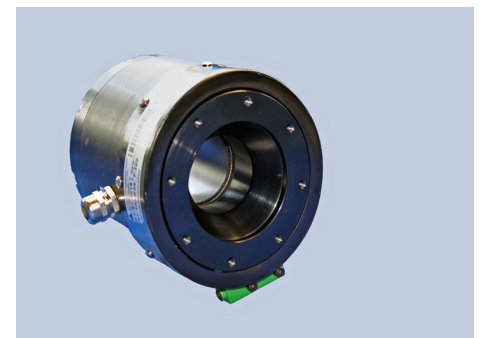
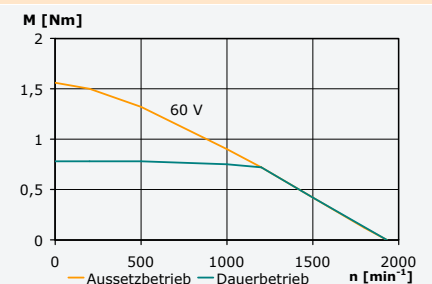


		Series HRT-100-28
→ Technical Data		
Peak torque (c.d.f. 15%)	[Nm]	1.56
Stall torque (c.d.f. 100%)	[Nm]	0.78
Rated torque (c.d.f. 100%)	[Nm]	0.78
Rated speed	[rpm]	500
Maximum current (per phase) (c.d.f. 15%)	[A _{RMS}]	7.0
Stall current (per phase) (c.d.f. 100%)	[A _{RMS}]	2.3
Rated current (per phase) (c.d.f. 100%)	[A _{RMS}]	2.2
Max. DC link voltage	[V _{DC}]	60
Torque constant	[Nm/A _{eff}]	0.35
Voltage constant	[V/1000min ⁻¹]	21.4
Winding resistance (at 25 °C)	[Ω]	4.85
Winding inductivity	[mH]	4.8
Number of pole pairs		3
Inertia without brake	[kg m ² · 10 ⁻³]	0.55
Length L	[mm]	109.5
Reproducibility (bidirectional)	[arcsec]	26
Max. axial load	[N]	450
Max. radial load	[N]	600
Permissible topple torque	[Nm]	60
Height error	[mm]	+/- 0.05
Concentricity error	[mm]	+/- 0.05
Hole diameter	[mm]	30
Mass	[kg]	2.5
Protection class		IP40
→ Encoder		
Resolution incremental encoder	[inc/rev]	50,000
Operation voltage	[V]	4.75 ... 6
Signal specification		Line driver



- Complete, fitted rotary table
- Mechanically and electrically ready for connection
- n x 360°
- Temperature sensor
- Servo amplifiers: ECOVARIO®114
- Positioning interfaces: CAN, EtherCAT, Profibus DP, RS232, RS485

→ Characteristic HRT-100-28 / ECOVARIO®114

→ **Cable Version**

Encoder cable with 15-pole DSub connector, motor cable with RSV1.6 connector, 6-pole, cable length max. 1 m each

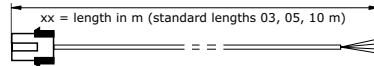
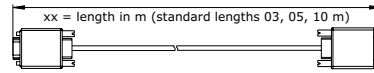
Further options on request

→ **Cable Assemblies**

Encoder cable extension
ENC47-305-306-0xx-000 Ø 6.2 mm;
trailing capability from bend radius > 35 mm

Motor cable extension
MOT43-132-721-0xx-000 Ø 6.4 mm;
trailing capability from bend radius > 35 mm

xx = Length in m (Standard lengths 03, 05, 10 m)



→ **Motor Connection**

Connection	Motor cable wire
Phase A	black
Phase /A	orange
Phase B	red
Phase /B	brown
PE	gn/ye
Shield	bare

→ **Encoder Cable Extension**

Connection	Cable extension wire	Pin DSub
+5 V	red	1
GND	blue	6
Channel A	white	2
Channel /A	brown	7
Channel B	green	3
Channel /B	yellow	8
Channel N	grey	4
Channel /N	pink	9
PTC T+	violet	5
PTC T-	black	10
Sens S+		12
Sens S-		11
Shield	bare	shroud