

Product



No. 1 Position

Modular tilt-and-swivel module with a high compact performance

Product Features

Unique Selling Points:

- ✓ Unique concept: Modular Robotics (axes, turning units, grippers)
- ✓ Extreme compact performance
- ✓ Harmonic Drive gears

Further Product Features:

- ✓ MTS parameterization and start-up software
- ✓ Standard connecting elements and integrated control concept
- ✓ Fieldbus: Profibus (M12) to 12 MBit/s
CAN bus (M12)
- ✓ Four digital inputs and outputs
- ✓ Service interface: 2 x RS232
- ✓ Brushless DC servo motor
- ✓ Complete electronics already integrated
- ✓ Incremental encoder
- ✓ Integrated holding brake

Cost-effectiveness / Customer Benefits

- ✓ The integration of the regulating and power electronics saves the need for additional external controllers and additional cabling
- ✓ Combination of standard components for the implementation of any applications
- ✓ MTS (Motion Tool SCHUNK) for quick parameterization and start-up of the module via USB
- ✓ High torques for heavy loads
- ✓ Control of position, speed, and torque

Technical Data / Functions

Technical Data: PW

Sizes:	70 / 90
Peak torque:	16 - 184 Nm
Angular velocity:	150 – 468 °/s
Max. permissible mass moment of inertia:	0.14 - 9.5 kgm ²
Repeat accuracy:	0.03 - 0.08°
Deadweight:	2.0 - 5.9 kg
Protection class:	IP40
Operating voltage:	24 V DC

Complementary Products:

- ✓ Standard PAM connection elements
- ✓ Servo-electric 2-finger PG gripper

Questions about the product? Your contact person at Product Management Gripping Systems is Sebastian Höpfl (+49-7133-103-2426)

Technical Data / Functions

Industries and Applications

PW convinces in the following industries:

For all industries, and for challenging automated solutions requiring maximum flexibility in the positioning whilst using high torques (PR2/PDU2) or speeds (PSM2), and low cycle times at the same time.

- ✓ Medical/surgical equipment
- ✓ Biotechnology
- ✓ Electrical industry
- ✓ Handling & assembly technology
- ✓ Pharmaceutical industry
- ✓ Machine & plant construction
- ✓ Automation

Applications:

- ✓ Rotary gripping units for the loading and unloading of various sensitive workpieces
- ✓ Gantry systems in combination with linear axes

Additional Information

Sectional Diagram / Applications:

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