Electric Pivot Unit – 98W Series
Electric Pivot Unit

Features:

• One size
• Programmable adjustment of swivel angle/positioning
• Two operating modes: Programmed setting and continuous operation
• Constant torque
• Early cycle release possible
• Variable swivel angle over 360°
• Multiple swivel-angle positions, easily adjustable
• Versatile mounting positions
• Energy saving
• Reduced weight
• Controlled acceleration and deceleration
• Self-locking
• Variable arm
• Compatible with multiple motors
• Interchangeable with common pneumatic pivot units with 125/160/200 mm cylinder sizes

Comparison of sizes

Pneumatic Pivot Unit

GR 100  GR 125  GR 160  GR 200

Electric Pivot Unit

98W03-1...

ONE FOR ALL
Variable arm

High application flexibility: The variable arm of the Electric Pivot Unit can be adjusted in three different positions, whereby the Pneumatic Pivot Unit utilizes different arm types for multiple positions.
Electric Pivot Unit

Technical information

The Pneumatic Pivot Unit operates with a toggle-action mechanism period.

GR _ _ _

The Electric Pivot Unit implements a worm gear to rotate.

98W _ _ _

This results in different force diagrams

For more information please contact us: europe@destaco.com
Electric Pivot Unit – 98W Series

Electric Pivot Unit

Technical information:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input supply voltage for external controller</td>
<td>400 VAC</td>
</tr>
<tr>
<td>Control signal of external programmable controller</td>
<td></td>
</tr>
<tr>
<td>Feedback signal to external programmable controller</td>
<td></td>
</tr>
<tr>
<td>Operating modes</td>
<td></td>
</tr>
<tr>
<td>• Rotation from 135° to 0°</td>
<td>4 sec/135°</td>
</tr>
<tr>
<td>• Holding</td>
<td>3 sec</td>
</tr>
<tr>
<td>• Rotation from 0° to 135°</td>
<td>4 sec/135°</td>
</tr>
<tr>
<td>• Holding</td>
<td>3 sec</td>
</tr>
<tr>
<td>Torque</td>
<td>500 Nm</td>
</tr>
<tr>
<td>Static holding torque</td>
<td>2000 Nm</td>
</tr>
<tr>
<td>Motor torque to be limited</td>
<td>Max. 6Nm</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>70%</td>
</tr>
<tr>
<td>E-Stop</td>
<td>0.4 sec @ 500 N = ca. 10°</td>
</tr>
<tr>
<td>Acceleration</td>
<td>2 sec</td>
</tr>
<tr>
<td>Slow down</td>
<td>2 sec</td>
</tr>
<tr>
<td>Weight</td>
<td>46 kg</td>
</tr>
<tr>
<td>Repeatability with hard stop</td>
<td>± 0.01mm @ 500mm</td>
</tr>
<tr>
<td>Repeatability without hard stop</td>
<td>± 0.05mm @ 500mm</td>
</tr>
</tbody>
</table>

Order Number

Example: 98W03-2 10 A 0 -00-0

- 98W03-2 = 500Nm
- 10 = SEW-Motor 400V-Brake
- A = without hard stop
- 00-0 = Internal, consecutive number
Electric Pivot Unit – 98W Series 6

400V L1/L2/L3 N PE

24V=(SG) US1 (System) US2 (Load)

Transformer station – 400V AC / 100 to 630A max.

Production network – 100MBit

1 central network access per unit

For more information please contact us: europe@destaco.com
Application example

Holding fixture with BodyBuilder profiles and power clamps 82M attached to an Electric Pivot Unit
Workholding

- Widest variety of workholding products
- High durability and reliability
- Flexible solutions for all applications
- Custom products for unique requirements

Automation

- Broad range of engineered automation products
- Complementary products for modular integration
- Unmatched accuracy, reliability and performance
- Unparalleled global sales, service and engineering support

GLOBAL LOCATIONS

EUROPE

Germany
Tel: +49-6171-705-0
Customer Service: europe@destaco.com

France
Tel: +33-1-3996-5000
Customer Service: france@destaco.com

UK
Tel: +44-1902-797980
Customer Service: uk@destaco.com

Spain
Tel: +34-936361680
Customer Service: spain@destaco.com

Netherlands
Tel: +31-297285332
Customer Service: benelux@destaco.com

ASIA

Thailand
Tel: +66-2-326-0812
Customer Service: info@destaco.com

China
Tel: +86-21-60812888
Customer Service: china@destaco.com

India
Tel: +91-80-41123421-426
Customer Service: india@destaco.com

NORTH AMERICA

DE-STA-CO Headquarters
Auburn Hills, Michigan
Tel: 1.248.836.6700
Toll Free: 1.888.DESTACO
Customer Service: customerservice@destaco.com

Charlevoix, Michigan
Tel: 1.888.DESTACO
Customer Service: customerservice@destaco.com

Wheeling, Illinois
Tel: 1.800.645.5207
Customer Service: camco@destaco.com

Red Wing, MN (Central Research Laboratories)
Tel: 651.385.2142
Customer Service: sales@centres.com

SOUTH AMERICA

Brazil
Tel: 0800-124070
Customer Service: samerica@destaco.com

DE-STA-CO Europe GmbH
Hiroshimastraße 2
D-61440 Oberursel
GERMANY
Telefon +49 (0) 6171-705-0
Telefax +49 (0) 6171-705-120
europe@destaco.com
www.destaco.com

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