



Invensys Building Systems - Americas

1354 Clifford Avenue (Zip 61111)

P.O. Box 2940

Loves Park, IL 31132-2940

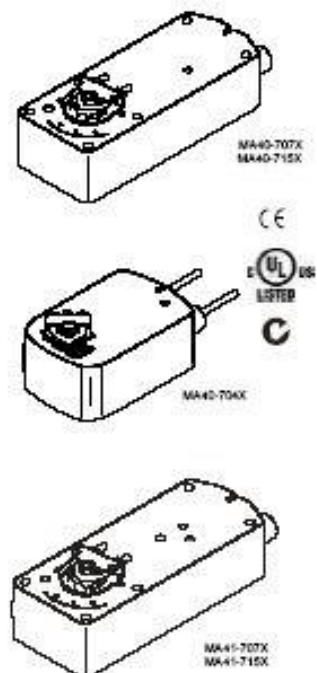
United States of America

www.invensysibs.com

DuraDrive Damper Actuator Competitive Cross Reference List

INTRODUCTION

This document provides a cross reference of the most popular DuraDrive damper actuators with the following competitors: Belimo, Johnson Controls, Honeywell, Siemens, and Neptronics. Additional products are available that are not listed in this cross reference. Please consult the DuraDrive Product Guide (F-27242), the Invensys Training Center Website (http://ibs-training.invensys.com/component_info.cfm), or your Invensys Commercial Technology Representative for additional products.



ADDITIONAL LITERATURE

| F-Number | Description | Audience | Purpose |
|-----------------|---|---|---|
| F-26642 | MA40-704X, MA4X-707X, MA4X-715X DuraDrive Series Spring Return Two-Position Actuators General Instructions | <ul style="list-style-type: none"> - Sales Personnel - Application Engineers - Installers - Service Personnel - Start-up Technicians | Describes the actuator's features, specifications, and possible applications. Provides step-by-step mounting instructions. |
| F-26644 | MF4X-7XX3, MF4X-7XX3-50X DuraDrive Series Spring Return Floating Actuator General Instructions | | |
| F-26645 | MS4X-7XX3, MS4X-7XX3-50X DuraDrive Series Spring Return Proportional Actuator General Instructions | | |
| F-27213 | MF41-6043, MF41-6083 DuraDrive Series Non-Spring Return Rotary 24 Vac Three-Position Control General Instructions | | |
| F-27108 | MF4E-6043X, MF4E-6083X EconoDrive Series Non-Spring Return Floating Actuator General Instructions | | |
| F-27170 | MA4D-XXXX, MF4D-XXXX, MS4D-XXXX EconoDrive Series Rotary Overshaft Actuators General Instructions | | |
| F-27214 | MS41-6043, MS41-6083 DuraDrive Series Non-Spring Return Rotary 24 Vac Modulating Control 0 to 10 Vdc Electronic Damper Actuators General Instructions | | |
| F-27003 | MX40-704X DuraDrive Series 35 lb-in. Spring Return Actuators Mounting and Wiring Instructions | <ul style="list-style-type: none"> - Application Engineers - Installers - Service Personnel - Start-up Technicians | Describes the actuator's specifications and possible applications. Provides step-by-step mounting instructions. |
| F-26646 | MX41-6043, MX4X-7XXX, MX41-6XXX DuraDrive Series Actuator Selection Guide | <ul style="list-style-type: none"> - Sales Personnel - Application Engineers - Installers - Service Personnel - Start-up Technicians | Provides actuator specifications and part number cross referencing of phased out actuators with the new Invensys Building Systems direct-coupled actuators. |
| F-26737 | MX41-6043 DuraDrive Series Non-Spring Return 35 lb-in. Actuators Specification Data Sheet | <ul style="list-style-type: none"> - Sales Personnel - Application Engineers | Describes features and specifications of the MX41-6043 series actuators. |
| F-27087 | VX-2X13-5XX-9-XX Series DuraLynx Ball Valve Assemblies and VB-2X13-500-9-XX DuraLynx Ball Valve Body/Linkage Assemblies Installation Instructions | <ul style="list-style-type: none"> - Sales Personnel - Application Engineers - Installers - Service Personnel - Start-up Technicians | Describes the DuraLynx ball valve assembly's features, specifications, and possible applications. Provides step-by-step mounting instructions. |
| F-26080 | EN-205 Water System Guidelines | <ul style="list-style-type: none"> - Application Engineers - Installers - Service Personnel - Start-up Technicians | Describes Invensys Building Systems approved water treatment practices. |

Non-Spring Return Belimo to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in | Comment | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in | Comment |
|-----------------------|----------|---------------|---------|-------------|----------|--------------|-----------------------|--------|----------------|---------|-------------|----------|--------------|---------|
| Floating | Invensys | MF41-6043 | 24 VAC | 0 | Y | 35 | | Belimo | LM24-3 US | 24 VAC | 0 | Y | 35 | |
| Floating | Invensys | MF41-6043-502 | 24 VAC | 2 | Y | 35 | | Belimo | LM24-3-S US | 24 VAC | 1 | Y | 35 | |
| Floating | Invensys | MF41-6083 | 24 VAC | 0 | Y | 70 | | Belimo | NM24 US | 24 VAC | 0 | Y | 70 | |
| Floating | Invensys | MF41-6083-510 | 24 VAC | 0 | Y | 70 | 1K Feedback | Belimo | NM24 MFT US | 24 VAC | 0 | Y | 70 | |
| Floating | Invensys | MF41-6083-502 | 24 VAC | 2 | Y | 70 | | Belimo | N/A | | | | | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | Belimo | AM24 US | 24 VAC | 0 | Y | 133 | |
| Floating | Invensys | N/A | | | | | | Belimo | AM24-S US | 24 VAC | 2 | Y | 133 | |
| Floating | Invensys | MF41-6343 | 24 VAC | 0 | Y | 300 | | Belimo | GM24 US | 24 VAC | 0 | Y | 320 | |
| Proportional 0-10 VDC | Invensys | MS41-6043 | 24 VAC | 0 | Y | 35 | | Belimo | LM24-SR-2.0 US | 24 VAC | 0 | Y | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6043-502 | 24 VAC | 0 | Y | 35 | | Belimo | LM24-SR-2.0 US | 24 VAC | 0 | Y | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6043-520 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Belimo | LM24-MFT US | 24 VAC | 0 | Y | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6043-522 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Belimo | LM24-MFT US | 24 VAC | 0 | Y | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6083 | 24 VAC | 0 | Y | 70 | | Belimo | NM24-SR US | 24 VAC | 0 | Y | 70 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6083-502 | 24 VAC | 0 | Y | 70 | | Belimo | NM24-SR US | 24 VAC | 0 | Y | 70 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6083-520 | 24 VAC | 0 | Y | 70 | Adjustable Start/Span | Belimo | NM24-MFT US | 24 VAC | 0 | Y | 70 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6083-522 | 24 VAC | 2 | Y | 70 | Adjustable Start/Span | Belimo | NM24-MFT US | 24 VAC | 0 | Y | 70 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Belimo | AM24-SR US | 24 VAC | 0 | Y | 133 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Belimo | AM24-MFT US | 24 VAC | 0 | Y | 133 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | Belimo | GM24-SR US | 24 VAC | 0 | Y | 266 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | Belimo | GM24-SR US | 24 VAC | 0 | Y | 320 | 2-10V |

Non-Spring Return Johnson Controls to DuraDrive Actuator Selection

| Actuator Type | Mfr. | Part # | Voltage | SPDT Aux SW | Man Ovrdr | Torque lb-in | Comment | Mfr. | Part # | Voltage | SPDT Aux SW | Man Ovrdr | Torque lb-in | Comment |
|-----------------------|----------|---------------|---------|-------------|-----------|--------------|-----------------------|------|--------------|---------|-------------|-----------|--------------|---------|
| Floating | Invensys | MF41-6043 | 24 VAC | 0 | Y | 35 | | JCI | M9104-AGA-2N | 24 VAC | 0 | Y | 35 | |
| Floating | Invensys | MF41-6043-502 | 24 VAC | 2 | Y | 35 | | JCI | M9106-IGA-2 | 24 VAC | 2 | Y | 35 | |
| Floating | Invensys | MF41-6083 | 24 VAC | 0 | Y | 70 | | JCI | M9108-AGA-2 | 24 VAC | 0 | Y | 70 | |
| Floating | Invensys | MF41-6083-502 | 24 VAC | 2 | Y | 70 | | JCI | M9108-AGC-2 | 24 VAC | 2 | Y | 70 | |
| Floating | Invensys | MF41-6083-510 | 24 VAC | 0 | Y | 70 | 1K Feedback | JCI | M9108-AGC-2 | 24 VAC | 2 | Y | 70 | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | JCI | M9116-AGA-2 | 24 VAC | 0 | Y | 140 | |
| Floating | Invensys | N/A | | | | | | JCI | M9116-AGC-2 | 24 VAC | 2 | Y | 140 | |
| Floating | Invensys | MF41-6343 | 24 VAC | 0 | Y | 300 | | JCI | M9132-AGA-2 | 24 VAC | 0 | Y | 280 | |
| Floating | Invensys | N/A | | | | | | JCI | M9132-AGC-2 | 24 VAC | 2 | Y | 280 | |
| Proportional 0-10 VDC | Invensys | MS41-6043 | 24 VAC | 0 | Y | 35 | | JCI | M9106-GGA-2 | 24 VAC | 0 | Y | 53 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-502 | 24 VAC | 0 | Y | 35 | | JCI | M9106-GGA-2 | 24 VAC | 0 | Y | 53 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-520 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | JCI | M9106-GGA-2 | 24 VAC | 0 | Y | 53 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-522 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | JCI | M9106-GGA-2 | 24 VAC | 0 | Y | 53 | |
| Proportional 0-10 VDC | Invensys | MS41-6083 | 24 VAC | 0 | Y | 70 | | JCI | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-502 | 24 VAC | 2 | Y | 70 | | JCI | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-520 | 24 VAC | 0 | Y | 70 | Adjustable Start/Span | JCI | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-522 | 24 VAC | 2 | Y | 70 | Adjustable Start/Span | JCI | M9108-GGA-2 | 24 VAC | 2 | Y | 70 | |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | JCI | M9116-GGA-2 | 24 VAC | 2 | Y | 140 | |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | JCI | M9132-GGA-2 | 24 VAC | 2 | Y | 280 | |

Non-Spring Return Honeywell to DuraDrive Actuator Selection

| Actuator Type | Mfr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Comment | Mfr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Comment |
|-----------------------|----------|---------------|---------|-------------|---------|--------------|-----------------------|-----------|---------------|---------|-------------|---------|--------------|---------|
| Floating | Invensys | MF41-6043 | 24 VAC | 0 | Y | 35 | | Honeywell | ML6161B2024 | 24 VAC | 0 | Y | 35 | |
| Floating | Invensys | MF41-6043-502 | 24 VAC | 2 | Y | 35 | | Honeywell | ML7161A2008+2 | 24 VAC | 1 | Y | 35 | |
| Floating | Invensys | MF41-6083 | 24 VAC | 0 | Y | 70 | | Honeywell | ML6174B2019 | 24 VAC | 0 | Y | 70 | |
| Floating | Invensys | MF41-6083-502 | 24 VAC | 2 | Y | 70 | | Honeywell | ML6174D | 24 VAC | 2 | Y | 70 | |
| Floating | Invensys | MF41-6083-510 | 24 VAC | 0 | Y | 70 | 1K Feedback | Honeywell | N/A | | | | | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | Honeywell | ML6120A1002 | 24 VAC | 0 | Y | 175 | |
| Floating | Invensys | N/A | | | | | | Honeywell | ML6120A1200 | 24 VAC | 2 | Y | 175 | |
| Floating | Invensys | MF41-6343 | 24 VAC | 0 | Y | 300 | | Honeywell | ML6134A1003 | 24 VAC | 0 | Y | 300 | |
| Floating | Invensys | N/A | | | | | | Honeywell | ML6194C | 24 VAC | 2 | Y | 300 | |
| Proportional 0-10 VDC | Invensys | MS41-6043 | 24 VAC | 0 | Y | 35 | | Honeywell | ML7161A2008 | 24 VAC | 0 | Y | 35 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-502 | 24 VAC | 0 | Y | 35 | | Honeywell | ML7161A2008 | 24 VAC | 0 | Y | 35 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-520 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Honeywell | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6043-522 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Honeywell | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083 | 24 VAC | 0 | Y | 70 | | Honeywell | ML7174A2001 | 24 VAC | 0 | Y | 70 | |
| Proportional 0-10 VDC | Invensys | MS41-6083-502 | 24 VAC | 0 | Y | 70 | | Honeywell | ML7174A2001 | 24 VAC | 0 | Y | 70 | |
| Proportional 0-10 VDC | Invensys | MS41-6083-520 | 24 VAC | 0 | Y | 70 | Adjustable Start/Span | Honeywell | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-522 | 24 VAC | 2 | Y | 70 | Adjustable Start/Span | Honeywell | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Honeywell | ML7220A2007 | 24 VAC | 0 | Y | 175 | |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | Honeywell | ML7234A2008 | 24 VAC | 0 | Y | 300 | |

Non-Spring Return Siemens to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in | Comment | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in | Comment |
|-----------------------|----------|---------------|---------|-------------|----------|--------------|-----------------------|---------|-----------|---------|-------------|----------|--------------|---------|
| Floating | Invensys | MF41-6043 | 24 VAC | 0 | Y | 35 | | Siemens | GDE131.1U | 24 VAC | 0 | Y | 44 | |
| Floating | Invensys | MF41-6043-502 | 24 VAC | 2 | Y | 35 | | | | | | | | |
| Floating | Invensys | MF41-6083 | 24 VAC | 0 | Y | 70 | | Siemens | GLB131.1P | 24 VAC | 0 | Y | 88 | |
| Floating | Invensys | MF41-6083-502 | 24 VAC | 2 | Y | 70 | | Siemens | GLB136.1P | 24 VAC | 2 | Y | 88 | |
| Floating | Invensys | MF41-6083-510 | 24 VAC | 0 | Y | 70 | 1K Feedback | Siemens | N/A | | | | | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | Siemens | GBB171.1U | 24 VAC | 0 | Y | 177 | |
| Floating | Invensys | N/A | | | | | | Siemens | GBB175.1U | 24 VAC | 2 | Y | 177 | |
| Floating | Invensys | MF41-6343 | 24 VAC | 0 | Y | 300 | | Siemens | GIB171.1U | 24 VAC | 0 | Y | 310 | |
| Floating | Invensys | N/A | | | | | | Siemens | GIB175.1U | 24 VAC | 2 | Y | 310 | |
| Proportional 0-10 VDC | Invensys | MS41-6043 | 24 VAC | 0 | Y | 35 | | Siemens | GDE161.1P | 24 VAC | 0 | Y | 44 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-502 | 24 VAC | 0 | Y | 35 | | Siemens | GLB161.1P | 24 VAC | 0 | Y | 44 | |
| Proportional 0-10 VDC | Invensys | MS41-6043-520 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Siemens | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6043-522 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Siemens | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083 | 24 VAC | 0 | Y | 70 | | Siemens | GLB161.1P | 24 VAC | 2 | Y | 88 | |
| Proportional 0-10 VDC | Invensys | MS41-6083-502 | 24 VAC | 0 | Y | 70 | | Siemens | GLB161.1P | 24 VAC | 2 | Y | 88 | |
| Proportional 0-10 VDC | Invensys | MS41-6083-520 | 24 VAC | 0 | Y | 70 | Adjustable Start/Span | Siemens | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-522 | 24 VAC | 2 | Y | 70 | Adjustable Start/Span | Siemens | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Siemens | GBB161.1U | 24 VAC | 2 | Y | 177 | |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | Siemens | GIB161.1U | 24 VAC | 2 | Y | 310 | |

Non-Spring Return Neptronics to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Comment | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Comment |
|-----------------------|----------|---------------|---------|-------------|---------|--------------|-----------------------|------------|----------|---------|-------------|---------|--------------|---------|
| Floating | Invensys | MF41-6043 | 24 VAC | 0 | Y | 35 | | Neptronics | BBT24A | 24 VAC | 0 | N | 50 | |
| Floating | Invensys | MF41-6043-502 | 24 VAC | 2 | Y | 35 | | Neptronics | BBT24AAX | 24 VAC | 2 | N | 50 | |
| Floating | Invensys | MF41-6083 | 24 VAC | 0 | Y | 70 | | Neptronics | N/A | | | | | |
| Floating | Invensys | MF41-6083-502 | 24 VAC | 2 | Y | 70 | | Neptronics | N/A | | | | | |
| Floating | Invensys | MF41-6083-510 | 24 VAC | 0 | Y | 70 | 1K Feedback | Neptronics | N/A | | | | | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | Neptronics | LDT3000A | 24 VAC | 0 | N | 120 | |
| Floating | Invensys | MF41-6153 | 24 VAC | 0 | Y | 133 | | Neptronics | TBT3000A | 24 VAC | 0 | N | 180 | |
| Floating | Invensys | N/A | | | | | | Neptronics | TBT3021A | 24 VAC | 2 | N | 180 | |
| Floating | Invensys | MF41-6343 | 24 VAC | 0 | Y | 300 | | Neptronics | RBT5000A | 24 VAC | 0 | N | 360 | |
| Floating | Invensys | N/A | | | | | | Neptronics | RBT5021A | 24 VAC | 2 | N | 360 | |
| Proportional 0-10 VDC | Invensys | MS41-6043 | 24 VAC | 0 | Y | 35 | | Neptronics | BBM24A | 24 VAC | 0 | N | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6043-502 | 24 VAC | 0 | Y | 35 | | Neptronics | BBM24A | 24 VAC | 0 | N | 35 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6043-520 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6043-522 | 24 VAC | 0 | Y | 35 | Adjustable Start/Span | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083 | 24 VAC | 0 | Y | 70 | | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-502 | 24 VAC | 0 | Y | 70 | | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-520 | 24 VAC | 0 | Y | 70 | Adjustable Start/Span | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6083-522 | 24 VAC | 2 | Y | 70 | Adjustable Start/Span | Neptronics | N/A | | | | | |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Neptronics | LDM4000A | 24 VAC | 0 | N | 120 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6153 | 24 VAC | 0 | Y | 133 | | Neptronics | TBM4000A | 24 VAC | 0 | N | 180 | 2-10V |
| Proportional 0-10 VDC | Invensys | MS41-6343 | 24 VAC | 0 | Y | 300 | | Neptronics | RBM6000A | 24 VAC | 0 | N | 360 | 2-10V |

Spring Return Belimo to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in |
|-----------------------|----------|---------------|---------|-------------|---------|--------------|--------|---------------|---------|-------------|---------|--------------|
| Two Position | Invensys | MA40-7043 | 24 VAC | 0 | N | 35 | Belimo | LF24 US | 24 VAC | 0 | N | 35 |
| Two Position | Invensys | MA40-7043-501 | 24 VAC | 1 | N | 35 | Belimo | LF24-S US | 24 VAC | 1 | N | 35 |
| Two Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | Belimo | NF24 US | 24 VAC | 0 | N | 60 |
| Two Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | Belimo | NF24-S US | 24 VAC | 1 | N | 60 |
| Two Position | Invensys | MA40-7073-502 | 24 VAC | 2 | N | 60 | Belimo | NF24-S2 US | 24 VAC | 2 | N | 60 |
| Two Position | Invensys | MA41-7073-502 | 24 VAC | 2 | Y | 60 | Belimo | NF24-S2 US | 24 VAC | 2 | N | 60 |
| Two Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | Belimo | AFR24 US | 24 VAC | 0 | N | 133 |
| Two Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | Belimo | AF24 US | 24 VAC | 0 | Y | 133 |
| Two Position | Invensys | MA40-7153-502 | 24 VAC | 2 | N | 133 | Belimo | AF24-S US | 24 VAC | 2 | Y | 133 |
| Two Position | Invensys | MA41-7153-502 | 24 VAC | 2 | Y | 133 | Belimo | AFR24-S US | 24 VAC | 1 | N | 133 |
| Two Position | Invensys | MA40-7173 | 24 VAC | 0 | N | 150 | Belimo | N/A | | | | |
| Two Position | Invensys | MA40-7040 | 120 VAC | 0 | N | 35 | Belimo | LF120 US | 120 VAC | 0 | N | 35 |
| Two Position | Invensys | MA40-7040-501 | 120 VAC | 1 | N | 35 | Belimo | LF120-S US | 120 VAC | 1 | N | 35 |
| Two Position | Invensys | MA40-7070 | 120 VAC | 0 | N | 60 | Belimo | NF120 US | 120 VAC | 0 | N | 60 |
| Two Position | Invensys | MA41-7070 | 120 VAC | 0 | Y | 60 | Belimo | NF120 US | 120 VAC | 0 | N | 60 |
| Two Position | Invensys | MA40-7070-502 | 120 VAC | 2 | N | 60 | Belimo | NF120-S US | 120 VAC | 1 | N | 60 |
| Two Position | Invensys | MA41-7070-502 | 120 VAC | 2 | Y | 60 | Belimo | NF120-S US | 120 VAC | 1 | N | 60 |
| Two Position | Invensys | MA40-7150 | 120 VAC | 0 | N | 133 | Belimo | AFR120 US | 120 VAC | 0 | N | 133 |
| Two Position | Invensys | MA40-7150-502 | 120 VAC | 0 | N | 133 | Belimo | AFR120 US | 120 VAC | 0 | N | 133 |
| Two Position | Invensys | MA41-7150 | 120 VAC | 0 | Y | 133 | Belimo | AF120 US | 120 VAC | 0 | Y | 133 |
| Two Position | Invensys | N/A | | | | | Belimo | AF120-S US | 120 VAC | 2 | Y | 133 |
| Two Position | Invensys | N/A | | | | | Belimo | AFR120-S US | 120 VAC | 1 | N | 133 |
| Two Position | Invensys | MA40-7170 | 120 VAC | 0 | N | 150 | Belimo | N/A | | | | |
| Floating | Invensys | MF40-7043 | 24 VAC | 0 | N | 35 | Belimo | LF24-3 US | 24 VAC | 0 | N | 35 |
| Floating | Invensys | MF40-7043-501 | 24 VAC | 1 | N | 35 | Belimo | LF24-3-S US | 24 VAC | 1 | N | 35 |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | Belimo | N/A | | | | |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | Belimo | N/A | | | | |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | Belimo | N/A | | | | |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | Belimo | N/A | | | | |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | Belimo | AF24-3 US | 24 VAC | 0 | Y | 133 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | Belimo | AF24-3 US | 24 VAC | 0 | Y | 133 |
| Floating | Invensys | MF40-7153-502 | 24 VAC | 2 | N | 133 | Belimo | AF24-3-S US | 24 VAC | 2 | Y | 133 |
| Floating | Invensys | MF41-7153-502 | 24 VAC | 2 | Y | 133 | Belimo | AF24-3-S US | 24 VAC | 2 | Y | 133 |
| Floating | Invensys | MF40-7173 | 24 VAC | 0 | N | 150 | Belimo | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | Belimo | LF24-SR US | 24 VAC | 0 | N | 35 |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | Belimo | LF24-MFT US | 24 VAC | 0 | N | 35 |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | Belimo | LF24-SR-S US | 24 VAC | 1 | N | 35 |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | Belimo | LF24-MFT-S US | 24 VAC | 1 | N | 35 |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | Belimo | NF24-SR US | 24 VAC | 0 | N | 60 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | Belimo | NF24-MFT US | 24 VAC | 0 | N | 60 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | Belimo | NF24-SR-S US | 24 VAC | 1 | N | 60 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | Belimo | NF24-MFT-S US | 24 VAC | 1 | N | 60 |
| Proportional 2-10 VDC | Invensys | MS40-7153 | 24 VAC | 0 | N | 133 | Belimo | AFR24-SR US | 24 VAC | 0 | N | 133 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | Belimo | AF24-SR US | 24 VAC | 0 | Y | 133 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | Belimo | AF24-MFT US | 24 VAC | 0 | Y | 133 |
| Proportional 2-10 VDC | Invensys | MS40-7153-502 | 24 VAC | 2 | N | 133 | Belimo | AF24-MFT-S US | 24 VAC | 2 | Y | 133 |
| Proportional 2-10 VDC | Invensys | MS41-7153-502 | 24 VAC | 2 | Y | 133 | Belimo | AF24-MFT-S US | 24 VAC | 2 | Y | 133 |
| Proportional 2-10 VDC | Invensys | MS40-7173 | 24 VAC | 0 | N | 150 | Belimo | N/A | | | | |

Spring Return Johnson Controls to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in |
|-----------------------|----------|---------------|---------|-------------|---------|--------------|-------|-------------|---------|-------------|---------|--------------|
| 2 Position | Invensys | MA40-7043 | 24 VAC | 0 | N | 35 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7043-501 | 24 VAC | 1 | N | 35 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | JCI | M9206-BGA-2 | 24 VAC | 0 | N | 53 |
| 2 Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | JCI | M9206-BGC-2 | 24 VAC | 1 | N | 53 |
| 2 Position | Invensys | MA40-7073-502 | 24 VAC | 2 | N | 60 | JCI | M9206-BGC-2 | 24 VAC | 2 | N | 53 |
| 2 Position | Invensys | MA41-7073-502 | 24 VAC | 2 | Y | 60 | JCI | M9206-BGC-2 | 24 VAC | 2 | N | 53 |
| 2 Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | JCI | M9216-BGA-2 | 24 VAC | 0 | Y | 140 |
| 2 Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | JCI | M9216-BGA-2 | 24 VAC | 0 | Y | 140 |
| 2 Position | Invensys | MA40-7153-502 | 24 VAC | 2 | N | 133 | JCI | M9216-BGC-2 | 24 VAC | 2 | Y | 140 |
| 2 Position | Invensys | MA41-7153-502 | 24 VAC | 2 | Y | 133 | JCI | M9216-BGC-2 | 24 VAC | 2 | Y | 140 |
| 2 Position | Invensys | MA40-7173 | 24 VAC | 0 | N | 150 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7040 | 120 VAC | 0 | N | 35 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7040-501 | 120 VAC | 1 | N | 35 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7070 | 120 VAC | 0 | N | 60 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7070-502 | 120 VAC | 2 | N | 60 | JCI | N/A | | | | |
| 2 Position | Invensys | MA40-7150 | 120 VAC | 0 | N | 133 | JCI | M9216-BAA-2 | 120 VAC | 0 | Y | 140 |
| 2 Position | Invensys | MA41-7150 | 120 VAC | 0 | Y | 133 | JCI | M9216-BAA-2 | 120 VAC | 0 | Y | 140 |
| 2 Position | Invensys | MA40-7150-502 | 120 VAC | 0 | N | 133 | JCI | M9216-BAA-2 | 120 VAC | 0 | Y | 140 |
| 2 Position | Invensys | N/A | | | | | JCI | M9216-BAC-2 | 120 VAC | 2 | Y | 140 |
| 2 Position | Invensys | MA40-7170 | 120 VAC | 0 | N | 150 | JCI | N/A | | | | |
| Floating | Invensys | MF40-7043 | 24 VAC | 0 | N | 35 | JCI | N/A | | | | |
| Floating | Invensys | MF40-7043-501 | 24 VAC | 1 | N | 35 | JCI | N/A | | | | |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | JCI | M9206-AGA-2 | 24 VAC | 0 | N | 53 |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | JCI | M9206-AGA-2 | 24 VAC | 0 | N | 53 |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | JCI | M9206-AGC-2 | 24 VAC | 2 | N | 53 |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | JCI | M9206-AGC-2 | 24 VAC | 2 | N | 53 |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | JCI | M9216-AGA-2 | 24 VAC | 0 | Y | 140 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | JCI | M9216-AGA-2 | 24 VAC | 0 | Y | 140 |
| Floating | Invensys | MF40-7153-502 | 24 VAC | 2 | N | 133 | JCI | M9216-AGC-2 | 24 VAC | 2 | Y | 140 |
| Floating | Invensys | MF41-7153-502 | 24 VAC | 2 | Y | 133 | JCI | M9216-AGC-2 | 24 VAC | 2 | Y | 140 |
| Floating | Invensys | MF40-7173 | 24 VAC | 0 | N | 150 | JCI | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | JCI | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | JCI | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | JCI | M9206-GGA-2 | 24 VAC | 0 | Y | 53 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | JCI | M9206-GGA-2 | 24 VAC | 0 | Y | 53 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | JCI | M9206-BGC-2 | 24 VAC | 1 | Y | 53 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | JCI | M9206-BGC-2 | 24 VAC | 1 | Y | 53 |
| Proportional 2-10 VDC | Invensys | MS40-7153 | 24 VAC | 0 | N | 133 | JCI | M9216-GGA-2 | 24 VAC | 0 | Y | 140 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | JCI | M9216-GGA-2 | 24 VAC | 0 | Y | 140 |
| Proportional 2-10 VDC | Invensys | MS40-7153-502 | 24 VAC | 2 | N | 133 | JCI | M9216-GGC-2 | 24 VAC | 2 | Y | 140 |
| Proportional 2-10 VDC | Invensys | MS41-7153-502 | 24 VAC | 2 | Y | 133 | JCI | M9216-GGC-2 | 24 VAC | 2 | Y | 140 |
| Proportional 2-10 VDC | Invensys | MS40-7173 | 24 VAC | 0 | N | 150 | JCI | N/A | | | | |

Spring Return Honeywell to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovr | Torque lb-in |
|-----------------------|----------|---------------|---------|-------------|---------|--------------|-----------|---------------|---------|-------------|---------|--------------|
| 2 Position | Invensys | MA40-7043 | 24 VAC | 0 | N | 35 | Honeywell | MS8105A1008 | 24 VAC | 0 | - | 44 |
| 2 Position | Invensys | MA40-7043-501 | 24 VAC | 1 | N | 35 | Honeywell | MS8105A1008+S | 24 VAC | 2 | - | 44 |
| 2 Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | Honeywell | MS8110A1008 | 24 VAC | 0 | - | 88 |
| 2 Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | Honeywell | MS8110A1206 | 24 VAC | 2 | - | 88 |
| 2 Position | Invensys | MA40-7073-502 | 24 VAC | 2 | N | 60 | Honeywell | MS8110A1206 | 24 VAC | 2 | - | 88 |
| 2 Position | Invensys | MA41-7073-502 | 24 VAC | 2 | Y | 60 | Honeywell | MS8110A1206 | 24 VAC | 2 | - | 88 |
| 2 Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | Honeywell | MS8120A1007 | 24 VAC | 0 | Y | 175 |
| 2 Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | Honeywell | MS8120A1007 | 24 VAC | 0 | Y | 175 |
| 2 Position | Invensys | MA40-7153-502 | 24 VAC | 2 | N | 133 | Honeywell | MS8120A1205 | 24 VAC | 2 | Y | 175 |
| 2 Position | Invensys | MA41-7153-502 | 24 VAC | 2 | Y | 133 | Honeywell | MS8120A1205 | 24 VAC | 2 | Y | 175 |
| 2 Position | Invensys | MA40-7173 | 24 VAC | 0 | N | 150 | Honeywell | MS8120A1007 | 24 VAC | 0 | Y | 175 |
| 2 Position | Invensys | MA40-7040 | 120 VAC | 0 | N | 35 | Honeywell | MS4105A1002 | 120 VAC | 0 | - | 44 |
| 2 Position | Invensys | MA40-7040-501 | 120 VAC | 1 | N | 35 | Honeywell | MS4105A1002+S | 120 VAC | 2 | - | 44 |
| 2 Position | Invensys | MA40-7070 | 120 VAC | 0 | N | 60 | Honeywell | MS4110A1002 | 120 VAC | 0 | - | 88 |
| 2 Position | Invensys | MA41-7070 | 120 VAC | 0 | Y | 60 | Honeywell | MS4110A1002 | 120 VAC | 0 | - | 88 |
| 2 Position | Invensys | MA40-7070-502 | 120 VAC | 2 | N | 60 | Honeywell | MS4110A1200 | 120 VAC | 2 | Y | 88 |
| 2 Position | Invensys | MA41-7070-502 | 120 VAC | 2 | Y | 60 | Honeywell | MS4110A1200 | 120 VAC | 2 | Y | 88 |
| 2 Position | Invensys | MA40-7150 | 120 VAC | 0 | N | 133 | Honeywell | MS4120A1001 | 120 VAC | 0 | Y | 175 |
| 2 Position | Invensys | MA41-7150 | 120 VAC | 0 | Y | 133 | Honeywell | MS4120A1001 | 120 VAC | 0 | Y | 175 |
| 2 Position | Invensys | MA40-7150-502 | 120 VAC | 2 | N | 133 | Honeywell | MS4120A1209 | 120 VAC | 2 | Y | 175 |
| 2 Position | Invensys | MA40-7170 | 120 VAC | 0 | N | 150 | Honeywell | MS4120A1001 | 120 VAC | 0 | Y | 175 |
| Floating | Invensys | MF40-7043 | 24 VAC | 0 | N | 35 | Honeywell | MS7505A2008 | 24 VAC | 0 | - | 44 |
| Floating | Invensys | MF40-7043-501 | 24 VAC | 1 | N | 35 | Honeywell | MS7505A2008+S | 24 VAC | 2 | - | 44 |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | Honeywell | ML6185A | 24 VAC | 0 | - | 50 |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | Honeywell | ML6185A | 24 VAC | 0 | - | 50 |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | Honeywell | ML6185C | 24 VAC | 2 | - | 50 |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | Honeywell | ML6185C | 24 VAC | 2 | - | 50 |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | Honeywell | ML6195A | 24 VAC | 0 | - | 142 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | Honeywell | ML6195A | 24 VAC | 0 | - | 142 |
| Floating | Invensys | MF40-7153-502 | 24 VAC | 2 | N | 133 | Honeywell | ML6195C | 24 VAC | 2 | - | 142 |
| Floating | Invensys | MF41-7153-502 | 24 VAC | 2 | Y | 133 | Honeywell | ML6195C | 24 VAC | 2 | - | 142 |
| Floating | Invensys | MF40-7173 | 24 VAC | 0 | N | 150 | Honeywell | ML6195A | 24 VAC | 0 | - | 142 |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | Honeywell | MS7505A2008 | 24 VAC | 0 | - | 44 |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | Honeywell | MS7505A2008+S | 24 VAC | 2 | - | 44 |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | Honeywell | MS7510A2008 | 24 VAC | 0 | - | 88 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | Honeywell | MS7510A2008 | 24 VAC | 0 | - | 88 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | Honeywell | MS7510A2206 | 24 VAC | 2 | - | 88 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | Honeywell | MS7510A2206 | 24 VAC | 2 | - | 88 |
| Proportional 2-10 VDC | Invensys | MS40-7153 | 24 VAC | 0 | N | 133 | Honeywell | MS7520A2007 | 24 VAC | 0 | - | 175 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | Honeywell | MS7520A2007 | 24 VAC | 0 | - | 175 |
| Proportional 2-10 VDC | Invensys | MS40-7153-502 | 24 VAC | 2 | N | 133 | Honeywell | MS7520A2205 | 24 VAC | 2 | - | 175 |
| Proportional 2-10 VDC | Invensys | MS41-7153-502 | 24 VAC | 2 | Y | 133 | Honeywell | MS7520A2205 | 24 VAC | 2 | - | 175 |
| Proportional 2-10 VDC | Invensys | MS40-7173 | 24 VAC | 0 | N | 150 | Honeywell | MS7520A2205 | 24 VAC | 2 | - | 175 |

Spring Return Siemens to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrd | Torque lb-in |
|-----------------------|----------|---------------|---------|-------------|----------|--------------|---------|-----------|---------|-------------|----------|--------------|
| 2 Position | Invensys | MA40-7043 | 24 VAC | 0 | N | 35 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7043-501 | 24 VAC | 1 | N | 35 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | Siemens | GMA121.1U | 24 VAC | 0 | - | 62 |
| 2 Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | Siemens | GKB121.1P | 24 VAC | 0 | - | 75 |
| 2 Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | Siemens | GMA126.1U | 24 VAC | 1 | - | 62 |
| 2 Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | Siemens | GKB126.1P | 24 VAC | 1 | - | 75 |
| 2 Position | Invensys | MA40-7073-502 | 24 VAC | 2 | N | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA41-7073-502 | 24 VAC | 2 | Y | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | Siemens | GCA121.1U | 24 VAC | 0 | - | 142 |
| 2 Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | Siemens | GCA121.1U | 24 VAC | 0 | - | 142 |
| 2 Position | Invensys | MA40-7153-502 | 24 VAC | 2 | N | 133 | Siemens | GCA126.1U | 24 VAC | 2 | - | 142 |
| 2 Position | Invensys | MA41-7153-502 | 24 VAC | 2 | Y | 133 | Siemens | GCA126.1U | 24 VAC | 2 | - | 142 |
| 2 Position | Invensys | MA40-7173 | 24 VAC | 0 | N | 150 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7040 | 120 VAC | 0 | N | 35 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7040-501 | 120 VAC | 1 | N | 35 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7070 | 120 VAC | 0 | N | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA41-7070 | 120 VAC | 0 | Y | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7070-502 | 120 VAC | 2 | N | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA41-7070-502 | 120 VAC | 2 | Y | 60 | Siemens | N/A | | | | |
| 2 Position | Invensys | MA40-7150 | 120 VAC | 0 | N | 133 | Siemens | GCA221.1U | 120 VAC | 0 | - | 142 |
| 2 Position | Invensys | MA41-7150 | 120 VAC | 0 | Y | 133 | Siemens | GCA221.1U | 120 VAC | 0 | - | 142 |
| 2 Position | Invensys | MA40-7150-502 | 120 VAC | 2 | N | 133 | Siemens | GCA226.1U | 120 VAC | 2 | - | 142 |
| 2 Position | Invensys | MA40-7170 | 120 VAC | 0 | N | 150 | Siemens | N/A | | | | |
| Floating | Invensys | MF40-7043 | 24 VAC | 0 | N | 35 | Siemens | N/A | | | | |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | Siemens | GMA121.1U | 24 VAC | 0 | - | 62 |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | Siemens | GKB131.1P | 24 VAC | 0 | - | 75 |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | Siemens | GMA121.1U | 24 VAC | 0 | - | 62 |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | Siemens | GKB131.1P | 24 VAC | 0 | - | 75 |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | Siemens | GMA131.1U | 24 VAC | 2 | - | 62 |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | Siemens | GKB135.1P | 24 VAC | 2 | - | 75 |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | Siemens | GMA131.1U | 24 VAC | 2 | - | 62 |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | Siemens | GKB135.1P | 24 VAC | 2 | - | 75 |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | Siemens | GCA131.1U | 24 VAC | 0 | - | 142 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | Siemens | GCA131.1U | 24 VAC | 0 | - | 142 |
| Floating | Invensys | MF40-7153-502 | 24 VAC | 2 | N | 133 | Siemens | GCA126.1U | 24 VAC | 2 | - | 142 |
| Floating | Invensys | MF41-7153-502 | 24 VAC | 2 | Y | 133 | Siemens | GCA126.1U | 24 VAC | 2 | - | 142 |
| Floating | Invensys | MF40-7173 | 24 VAC | 0 | N | 150 | Siemens | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | Siemens | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | Siemens | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | Siemens | GMA161.1U | 24 VAC | 0 | - | 62 |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | Siemens | GKB161.1P | 24 VAC | 0 | - | 75 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | Siemens | GMA161.1U | 24 VAC | 0 | - | 62 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | Siemens | GKB161.1P | 24 VAC | 0 | - | 75 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | Siemens | GMA126.1U | 24 VAC | 1 | - | 62 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | Siemens | GKB126.1P | 24 VAC | 1 | - | 75 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | Siemens | GMA126.1U | 24 VAC | 1 | - | 62 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | Siemens | GKB126.1P | 24 VAC | 1 | - | 75 |
| Proportional 2-10 VDC | Invensys | MS40-7153 | 24 VAC | 0 | N | 133 | Siemens | GMA151.1U | 24 VAC | 0 | - | 142 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | Siemens | GMA151.1U | 24 VAC | 0 | - | 142 |
| Proportional 2-10 VDC | Invensys | MS40-7153-502 | 24 VAC | 2 | N | 133 | Siemens | GMA166.1U | 24 VAC | 2 | - | 142 |
| Proportional 2-10 VDC | Invensys | MS41-7153-502 | 24 VAC | 2 | Y | 133 | Siemens | GMA166.1U | 24 VAC | 2 | - | 142 |
| Proportional 2-10 VDC | Invensys | MS40-7173 | 24 VAC | 0 | N | 150 | Siemens | N/A | | | | |

Spring Return Neptronics to DuraDrive Actuator Selection

| Actuator Type | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrdr | Torque lb-in | Mfgr. | Part # | Voltage | SPDT Aux SW | Man Ovrdr | Torque lb-in |
|-----------------------|----------|---------------|---------|-------------|-----------|--------------|------------|------------|---------|-------------|-----------|--------------|
| 2 Position | Invensys | MA40-7043 | 24 VAC | 0 | N | 35 | Neptronics | MDTS1060 | 24 VAC | 0 | N | 35 |
| 2 Position | Invensys | MA40-7043-501 | 24 VAC | 1 | N | 35 | Neptronics | MDTS1080 | 24 VAC | 1 | N | 35 |
| 2 Position | Invensys | MA40-7073 | 24 VAC | 0 | N | 60 | Neptronics | BBT1060A | 24 VAC | 0 | N | 50 |
| 2 Position | Invensys | MA41-7073 | 24 VAC | 1 | Y | 60 | Neptronics | BBT1080A | 24 VAC | 1 | N | 50 |
| 2 Position | Invensys | MA40-7073-502 | 24 VAC | 2 | N | 60 | Neptronics | BBT1080A | 24 VAC | 1 | N | 50 |
| 2 Position | Invensys | MA41-7073-502 | 24 VAC | 2 | Y | 60 | Neptronics | BBT1080A | 24 VAC | 1 | N | 50 |
| 2 Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | Neptronics | LDT3060A | 24 VAC | 0 | N | 120 |
| 2 Position | Invensys | MA40-7153 | 24 VAC | 0 | N | 133 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| 2 Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | Neptronics | LDT3060A | 24 VAC | 0 | N | 120 |
| 2 Position | Invensys | MA41-7153 | 24 VAC | 0 | Y | 133 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| 2 Position | Invensys | MA40-7153-502 | 24 VAC | 2 | N | 133 | Neptronics | TBT3080A | 24 VAC | 2 | N | 180 |
| 2 Position | Invensys | MA41-7153-502 | 24 VAC | 2 | Y | 133 | Neptronics | TBT3080A | 24 VAC | 2 | N | 180 |
| 2 Position | Invensys | MA40-7173 | 24 VAC | 0 | N | 150 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| 2 Position | Invensys | N/A | | | | | Neptronics | RBT5060A | 24 VAC | 0 | N | 360 |
| 2 Position | Invensys | N/A | | | | | Neptronics | RBT5080A | 24 VAC | 2 | N | 360 |
| 2 Position | Invensys | MA40-7040 | 120 VAC | 0 | N | 35 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA40-7040-501 | 120 VAC | 1 | N | 35 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA40-7070 | 120 VAC | 0 | N | 60 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA41-7070 | 120 VAC | 0 | Y | 60 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA40-7070-502 | 120 VAC | 2 | N | 60 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA41-7070-502 | 120 VAC | 2 | Y | 60 | Neptronics | N/A | | | | |
| 2 Position | Invensys | MA40-7150 | 120 VAC | 0 | N | 133 | Neptronics | TBTHV3360A | 120 VAC | 0 | N | 180 |
| 2 Position | Invensys | MA41-7150 | 120 VAC | 0 | Y | 133 | Neptronics | TBTHV3360A | 120 VAC | 0 | N | 180 |
| 2 Position | Invensys | MA40-7150-502 | 120 VAC | 0 | N | 133 | Neptronics | TBTHV3360A | 120 VAC | 0 | N | 180 |
| 2 Position | Invensys | N/A | | | | | Neptronics | TBTHV3380A | 120 VAC | 2 | N | 180 |
| 2 Position | Invensys | MA40-7170 | 120 VAC | 0 | N | 150 | Neptronics | TBTHV3360A | 120 VAC | 0 | N | 180 |
| 2 Position | Invensys | N/A | | | | | Neptronics | RBTHV5360A | 120 VAC | 0 | N | 360 |
| 2 Position | Invensys | N/A | | | | | Neptronics | RBTHV5380A | 120 VAC | 2 | N | 360 |
| Floating | Invensys | MF40-7043 | 24 VAC | 0 | N | 35 | Neptronics | MDTS1060 | 24 VAC | 0 | N | 35 |
| Floating | Invensys | MF40-7043-501 | 24 VAC | 1 | N | 35 | Neptronics | MDTS1080 | 24 VAC | 1 | N | 35 |
| Floating | Invensys | MF40-7073 | 24 VAC | 0 | N | 60 | Neptronics | BBT1060A | 24 VAC | 0 | N | 50 |
| Floating | Invensys | MF41-7073 | 24 VAC | 0 | Y | 60 | Neptronics | BBT1060A | 24 VAC | 0 | N | 50 |
| Floating | Invensys | MF40-7073-502 | 24 VAC | 2 | N | 60 | Neptronics | BBT1080A | 24 VAC | 2 | N | 50 |
| Floating | Invensys | MF41-7073-502 | 24 VAC | 2 | Y | 60 | Neptronics | BBT1080A | 24 VAC | 2 | N | 50 |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | Neptronics | LDT3060A | 24 VAC | 0 | N | 120 |
| Floating | Invensys | MF40-7153 | 24 VAC | 0 | N | 133 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | Neptronics | LDT3060A | 24 VAC | 0 | N | 120 |
| Floating | Invensys | MF41-7153 | 24 VAC | 0 | Y | 133 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| Floating | Invensys | MF40-7153-502 | 24 VAC | 2 | N | 133 | Neptronics | TBT3080A | 24 VAC | 2 | N | 180 |
| Floating | Invensys | MF41-7153-502 | 24 VAC | 2 | Y | 133 | Neptronics | TBT3080A | 24 VAC | 2 | N | 180 |
| Floating | Invensys | MF40-7173 | 24 VAC | 0 | N | 150 | Neptronics | TBT3060A | 24 VAC | 0 | N | 180 |
| Floating | Invensys | N/A | | | | | Neptronics | RBT5060A | 24 VAC | 0 | N | 360 |
| Floating | Invensys | N/A | | | | | Neptronics | RBT5080A | 24 VAC | 2 | N | 360 |
| Proportional 2-10 VDC | Invensys | MS40-7043 | 24 VAC | 0 | N | 35 | Neptronics | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7043-501 | 24 VAC | 1 | N | 35 | Neptronics | N/A | | | | |
| Proportional 2-10 VDC | Invensys | MS40-7073 | 24 VAC | 0 | N | 60 | Neptronics | BBM2060A | 24 VAC | 0 | N | 50 |
| Proportional 2-10 VDC | Invensys | MS41-7073 | 24 VAC | 0 | Y | 60 | Neptronics | BBM2060A | 24 VAC | 0 | N | 50 |
| Proportional 2-10 VDC | Invensys | MS40-7073-502 | 24 VAC | 2 | N | 60 | Neptronics | BBM2060A | 24 VAC | 0 | N | 50 |
| Proportional 2-10 VDC | Invensys | MS41-7073-502 | 24 VAC | 2 | Y | 60 | Neptronics | BBM2060A | 24 VAC | 0 | N | 50 |
| Proportional 2-10 VDC | Invensys | MS40-7153 | 24 VAC | 0 | N | 133 | Neptronics | TBM4060A | 24 VAC | 0 | N | 180 |
| Proportional 2-10 VDC | Invensys | MS41-7153 | 24 VAC | 0 | Y | 133 | Neptronics | TBM4060A | 24 VAC | 0 | N | 180 |
| Proportional 2-10 VDC | Invensys | MS40-7153-502 | 24 VAC | 2 | N | 133 | Neptronics | TBM4060A | 24 VAC | 0 | N | 180 |
| Proportional 2-10 VDC | Invensys | MS41-7153-502 | 24 VAC | 2 | Y | 133 | Neptronics | TBM4060A | 24 VAC | 0 | N | 180 |
| Proportional 2-10 VDC | Invensys | MS40-7173 | 24 VAC | 0 | N | 150 | Neptronics | TBM4060A | 24 VAC | 0 | N | 180 |
| Proportional 2-10 VDC | Invensys | N/A | | | | | Neptronics | RBM6060A | 24 VAC | 0 | N | 360 |