

# PROPULSION & PAYLOAD INTEGRATION SPECIALISTS



#### **Industrial Servo Actuators**

PA-R-135-4-C-06-A-180-30*2
PA-R-135-6-C-06-A-180-00*2
PA-R-205-4-R-24-A-180-30*1
PA-R-205-6-R-24-A-180-30*1
PA-R-250-4-R-24-A-180-60*1
PA-R-250-5-C-24-A-180-60*1

PA-R-250-8-R-24-A-180-60\*1 PA-R-250-9-C-24-A-180-60\*3 PA-R-340-7-C-24-A-180-70\*3 PA-R-340-9-C-24-A-180-70\*3 PA-R-440-7-C-24-A-180-00\*3

#### **Redundant Servo Actuators**

PA-RR-260-8-C-24-C-315-00 PA-RR-260-9-C-24-C-315-00 PA-RR-340-7-C-24-C-315-00 PA-RR-340-9-C-24-C-315-00 PA-RR-720-7-C-24-C-315-00



\*1 Standard version = operating voltage 18-32V, ± 45° deflection angle, PWM-TTL level signal, rigid output shaft, PA-ME contactless sensor, D-9 sub connector, differential position feedback

\*2 Standard version = operating voltage 6-9V, ± 45° deflection angle, PWM-TTL level signal, PA-SC gear train protection, PA-ME contactless sensor, differential position feedback

\*3 Standard version = operating voltage 18-32V, ± 45° deflection angle, PWM-TTL level signal, PA-SC gear train protection, PA-ME contactless sensor, D-9 sub connector, differential position feedback

### **Options/Upgrades**

#### Description

PA-SC Additional Slip Clutch (Ordering code example: PA-R-205-4-C-24-A-180-30)

Alternative Voltage (Ordering code example (6-Volt version): PA-R-205-4-R-06-A-180-30)

Differential PWM/RS485 Signal (ordering code example: PA-R-205-4-C-24-**B**-180-30)

RS485 Data Protocol (Ordering code example: PA-R-205-4-C-24-**C**-180-30)

Glenair Mighty Mouse Connector (Ordering code example: PA-R-250-8-C-24-A-180-63)

IP67 Water and Dust Protected Cable Pigtail, No Connector, 1m Cable Length (Ordering code example: PA-R-205-4-R-24-A-180-3Z) (Available for all actuator types; standard pigtail on PA-R-135-4 type actuator)

### **Programming Adapters**

#### ltem# Device

Description MTA100-DE9

14850006 Adapter For Actuators without connector. Actuators ordered with pig tail but without connector will be manufactured with a Tyco MTA100 connector, to connect those units to the PA-Control 2 the MAT100-DE9 adapter is required.

14850013 Isolator RS485 This device electrically isolates the data lines between the control system/ PA-Control and the actuator data bus to help with problems caused by electrical interference.

#### **Programming Cables** ltem# Device Description Cables to connect Actuators with Glenair Series 801 connector to the PA-Control 2. 14850005 PA-Control 2 Cable R-205, R-250 to Glenair Series 801, size 6-7 14850009 PA-Control 2 Cable R-340, R-440 to Glenair Series 801, size 10-202 Cables to connect Actuators to the PA-Control 3. 14950005 PA-Control 3 Cable RR-260 14950006 PA-Control 3 Cable RR-340, RR-720

#### **Programming Device Tools**

Programming tool to parameterize the Actuator.

ltem#	Device	Description
<b>14850011</b> Adapter cable	PA-Control 2 not included.	Industrial Pegasus Actuators
	PA-Control 3 le not included.	Redundant Pegasus Actuators

#### **Magnetic OPV Clutch Assemblies**

ltem#	OPV Clutch	Description
12508200	PA-RA-3	R-250, R-340-7, RR-260
13407200	PA-RA-4	R-340-9, RR-340, RR-720

Quantity Discounts on 50/100/250/500/1000 pieces. Premium Service available for shortened lead time.



## **SERVO PRODUCTS/PARTS LIST**

#### **Extension Cables**

Actuators with mating Glenair Series 801 connectors mounted and sealed on side 1 and an open end on side 2.

ltem#	Device	Description
12508101	1m Ext. Cable	R-205, R-250, RR-260 with Connector Size 6-7
13407101	1m Ext. Cable	R-340, R-440, RR-340, RR-720 with Connector Size 10-202

#### **Installation Frames**

ltem#	Frame#	Actuator
11354051	PA-IF-135-4-01	For R-135-4 Actuators
12054051	PA-IF-205-4-01	For R-205-4 Actuators
12056051	PA-IF-205-6-01	For R-205-6 Actuators
12508051	PA-IF-250-8-01	For R-250-8 Actuators
12509051	PA-IF-250-9-01	For R-250-9 Actuators
13407051	PA-IF-340-7-01	For R-340-7 Actuators
13407052	PA-IF-340-9-01	For R-340-9 Actuators

### Repair & Overhaul Available\*

PA-R-205, PA-R-250, PA-R-340, PA-R-440, PA-RR-206-8, PA-RR-260-9, PA-RR-340-7, PA-RR-340-9, PA-RR-720

Complete inspection and overhaul and an Overhaul/Status Report. Includes: New motor(s), new gear train, new bearings, new upper and middle case parts, new QC process, run-in and burn-in plus miscellaneous gaskets, washers, etc.

\*No quantity discounts.

Pegasus is entitled to reject any uneconomical or impossible repair!

#### **Mating Connectors**

Actuators with Glenair 801, includes Pins.

ltem#	Device	Description
72509003	Glenair 801-007-16NF6-7SA, size 6-7	Aluminum/Cadmium, Olive Drab Chromate Includes 7x Glenair 809-002 (AWG22-28) socket contacts.
74957001	Glenair 801-007-16ZNU6-7SA, size 6-7	Aluminum/Zinc-Nickel, Black Chromate Includes 7x Glenair 809-002 (AWG22-28) socket contacts.
73407002	Glenair 801-007-16ZNU10-202SA, size 10-202	Aluminum/Zinc-Nickel, Black Chromate Includes 8x Glenair 809-002 (AWG22-28) and 2x 809-111 (AWG16-20) socket contacts.

#### Servo Universal Levers

ltem#	Description		Actuator	Size
12054025	PA-UL-001	Aluminum, with threads	R-205	5mm square
12054026	PA-UL-002	Aluminum, blank quarter	R-205	5mm square
12509033	PA-UL-003	Aluminum, with threads	R-250, RR-260	6.5mm square
11354025	PA-UL-005	Aluminum, with threads	R-135	5mm square
11354026	PA-UL-006	Aluminum, blank quarter	R-135	5mm square
12509034	PA-UL-007	Aluminum, blank quarter	R-250, RR-260	6.5mm square
13407421	PA-UL-008	Aluminum, blank quarter	R-340, RR-340	8mm square
14407041	PA-UL-010	Aluminum, blank quarter	R-250, RR-260	6.5mm square
12054045	PA-UL-101	Aluminum, with groves to create holes or threads and to shorten	R-205	5mm square
12509043	PA-UL-103	Aluminum, with groves to create holes or threads and to shorten	R-250, RR-260	6.5mm square
11354045	PA-UL-105	Aluminum, with groves to create holes or threads and to shorten	R-135	5mm square
13407045	PA-UL-108	Aluminum, with groves to create holes or threads and to shorten	R-340, RR-360	8mm square
14407043	PA-UL-110	Steel, with groves to create holes or threads and to shorten	R-440, R-720	10mm square

Quantity Discounts on 50/100/250/500/1000 pieces. Premium Service available for shortened lead time.

## For questions on Pegasus product prices, capabilities, custom integration, training & support contact David Jackson, David.Jackson@nwuav.com | 503.434.6845 x185



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