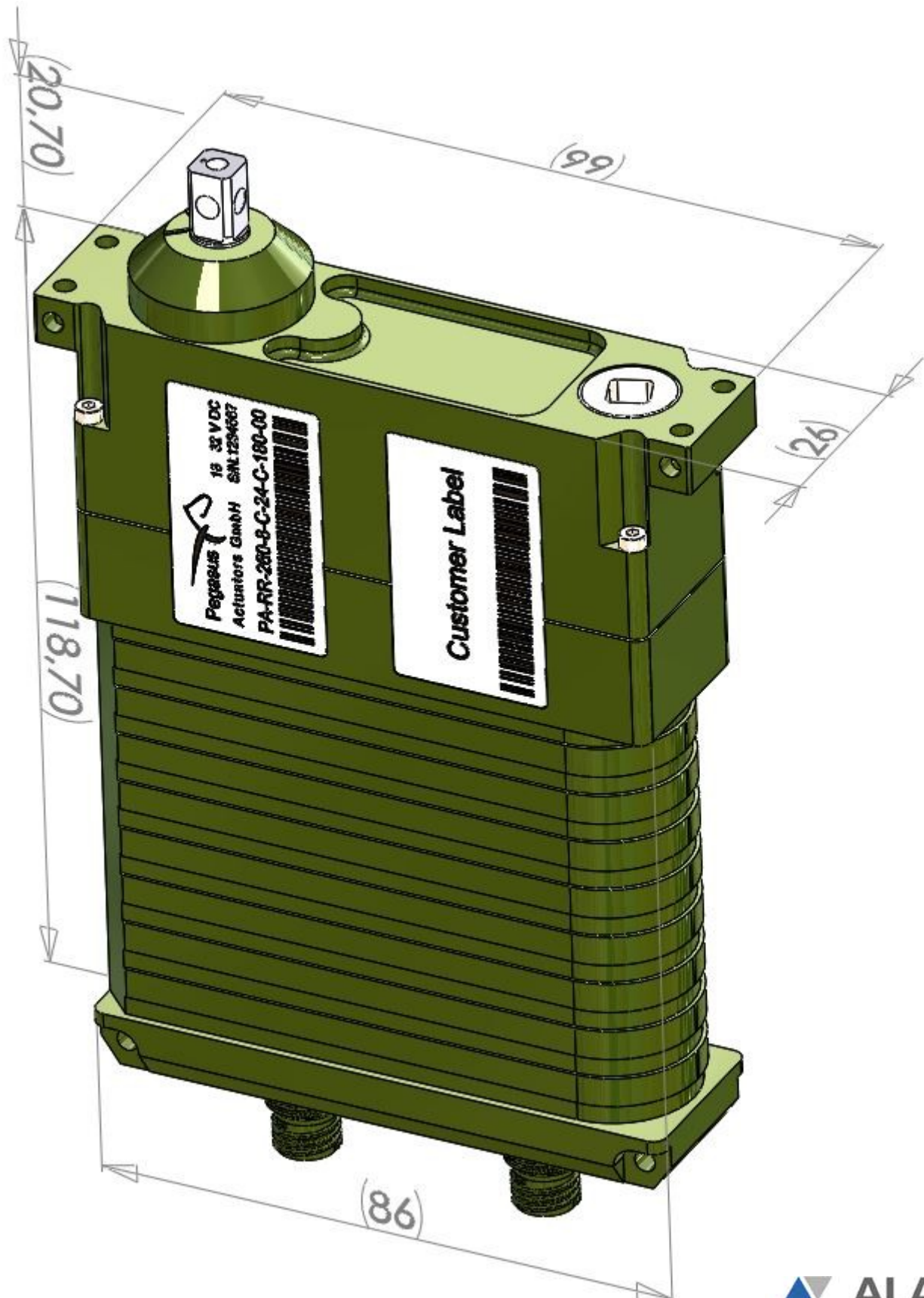


***“tough tech for tough environments”***

***PA-RR-260-8 redundant actuator***

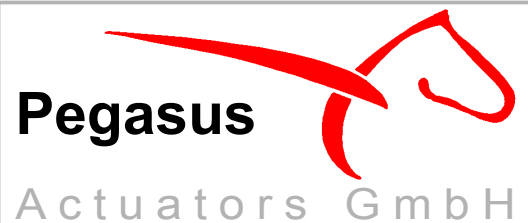
**Pegasus**

Actuators GmbH



***“tough tech for tough environments”***

## ***PA-RR-260-8 redundant actuator***



### ***Data sheet - Technical specifications***

#### ***Supply data:***

Operating voltage: 18V - 32V  
Operating voltage typical: 24V  
Standby current: 250mA

#### ***Input signal:***

Redundant RS485 data protocol

#### ***Position feedback selection:***

Analog 0-5V, differential 0-5V or analog 0-10 V

#### ***Performance data:***

Stall torque: > 500Ncm (> 710 oz-in.)  
Rated torque\*\*: 300Ncm (425 oz-in.)  
Speed at rated torque: 135°/sec.  
No load speed: 190°/sec.  
Gear train backlash: < 0,5°  
Travel angle: standard setting  $\pm 90^\circ$  (-5%)  
Maximum travel angle (optional):  $\pm 170^\circ$  (-5%)  
PA-SC lock out momentum: 500Ncm (710 oz-in.) +20%  
Peak current - short time: 1950mA  
Stall current - continuous: 1150mA (limited)  
Minimum detectable signal step: max 0,25µsec. (adjustable)  
Weight: 430g (15 oz)

\*\*according to specifications of Pegasus Actuators GmbH  
(please inquire the test-specifications)

#### ***Environmental data:***

Axial load on output shaft: < 100N  
Lateral load on output shaft: < 300N  
Operating temperature: -40°C - +70°C (-40°F - +158°F)  
Storage temperature: -40°C - +85°C (-40°F - +176°F)

#### ***Environmental specifications:***

DO-160 F (RCTA)

#### ***Product features:***

Triple redundant PA-ME<sup>3</sup> magnetic deflection angle sensor  
Dual brushless motors  
Dual servo controller pc-board  
Dual Glenair Mighty Mouse Series 801, 7-pin  
Single Point Failure redundancy architecture  
Oil lubricated gear-train  
Unparalleled anti flutter circuit  
Enhanced positioning resolution  
Inbuilt (switchable) termination resistor  
Inbuilt safeguarding fuses  
Inbuilt power supply filter  
Enhanced feedback signal resolution

