

# ATM200-A20

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## Actuator, AISG 2.0 default protocol

- Connects to the base station antenna for remote electrical tilt
- Factory set to AISG 2.0 mode
- Can be field reset to AISG 1.1
- Absolute position sensor eliminates the need for calibration
- LED indicates tilt movement

## Product Classification

**Product Type** RET actuator

## General Specifications

**AISG Input Connector** 8-pin DIN Male

**AISG Input Connector Quantity** 1

**AISG Output Connector** 8-pin DIN Female

**AISG Output Connector Quantity** 1

**Color** Black

**EU Certification** CE

## Dimensions

**Height** 203.2 mm | 8 in

**Width** 71.1 mm | 2.799 in

**Depth** 53.3 mm | 2.098 in

## Electrical Specifications

**Input Voltage** 10–30 Vdc

**Adjustment Cycles, minimum** 10000 cycles

**Adjustment Time, full range, maximum** 22 s

**Default Protocol** AISG 2.0

**Electrical Safety Standard** EN 60950 | UL 60950

**Electromagnetic Compatibility (EMC)** CFR 47 Part 15, Subpart B, Class B | EN 55011 | EN 61326-1 | ETS 300 386 V1.3.2 2003

**Interface Protocol Signal** Data | dc

**Lightning Surge Capability** 5 times @ -10 kA | 5 times @ 10 kA

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<b>Lightning Surge Capability Test Method</b>	IEC 61000-4-5
<b>Lightning Surge Capability Waveform</b>	1.2/50 voltage and 8/20 current combination waveform
<b>Lightning Surge Test Mode</b>	Common mode
<b>Protocol</b>	AISG 1.1   AISG 2.0

## Material Specifications

<b>Material Type</b>	ABS
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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Relative Humidity</b>	Up to 100%
<b>Climatic Sequence Test Method</b>	IEC 60068-2-14
<b>Cold Exposure Test Method</b>	IEC 60068-2-1
<b>Corrosion Test Method</b>	IEC 60068-2-11, Test Condition Ka   IEC 60068-2-52, Test Condition Kb
<b>Damp Heat Exposure Test Method</b>	IEC 60068-2-30, Test Condition Db
<b>Heat Exposure Test Method</b>	IEC 60068-2-2
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP56
<b>Packaged Product Shock Test Method</b>	ASTM D4169   GR-63-CORE, Section 4.1.1
<b>Rain Simulation Test Method</b>	IEC 60068-2-18, Test Condition Ra, Method 1
<b>UV Resistance Test Method</b>	IEC 60068-2-5, Test Condition B
<b>Vibration Test Method</b>	ASTM D4169   IEC 60068-2-6

## Packaging and Weights

<b>Weight, net</b>	0.2 kg   0.441 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

