

Data Sheet

PROSE

Embedded Control Unit

SCU-ACT-XXX**Main Features**

Embedded Control Unit (ECU) for Prose antennas with adjustable electrical downtilt and appropriate mechanical interface

- Compliant to 3GPP/AISG 2.0 standards
- Can management from OMC, BTS/NodeB, external tools...
- Compact size. Daisy chain feasibility
- Easy mounting, directly onto Antenna
- Remote software upgradable
- Support Multi Channel Actuator
- Comply to RoHS, CE standards

**Electrical Data**

Protocol	3GPP/AISG 2.0
Angular Accuracy for shaft turn	±0.5°
Angular Resolution for Shaft Turn	< 0.5 turn (< 0.2 degree)
Input voltage range	10...30 V DC(pin6)
Power consumption	< 1 W (stand by); <10 W (motor activated)
Hardware interfaces	RS 485A/B(pin 5, pin 3); power supply (pin6); DC return(pin7);
Adjustable time (full range)	90 sec (typically, depending on antenna type)
Adjustable cycles	> 50,000
Electrical Safety standard	EN 60950, UL60950
Lightning Protection	IEC 61000-4-5, AISG interface (each pin) ≥ 2.5kA (10/350μs) 8 kA (8/20 μs)

Environmental Data

Operating temperature range	-40°C to +60°C
Storage temperature range	-40°C to +70°C
Protection class	IP65(with antenna).

Mechanical Data

Connector Type	Daisy chain in 8 pin(3 spare) male connector according to IEC 60130-9 Daisy chain out 8 pin female connector according to IEC 60130-9
Color	Silver
Dimensions	187X85X32 mm
Weight	437 g(SCU-002)
Housing material	Profile& Cover: Aluminum Alloy
Continuous Torque	≥ 0.15 Nm

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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