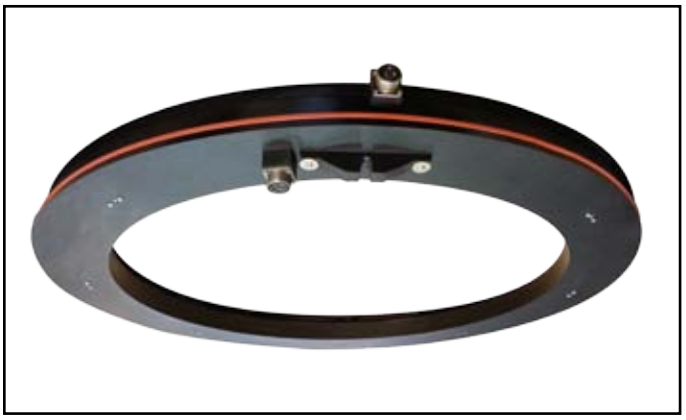
CS5400
Large-diameter Turret Slip Ring

Features/Benefits

- Allows turret to be powered from vehicle batteries; eliminates turret batteries and reduces weight
- Multiple data and video channels; simultaneous uplink & downlink
- Floating design; isolated from vehicle vibrations
- Environmentally sealed; retrofittable



CS5400 sealed power/data slip ring.

Description

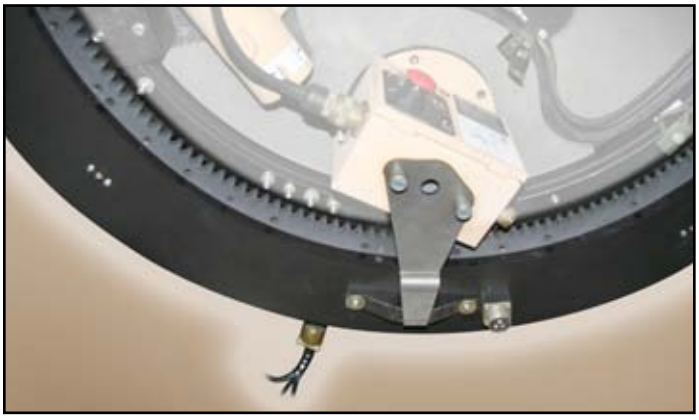
The CS5400 large-diameter slip ring is a newly developed innovation for tactical vehicles that provides both power and data to the gunner's station, eliminating separate turret batteries found in legacy systems.

The CS5400 provides multiple channels of simultaneous high bandwidth data and video uplinks to the gunner's station or downlinks to the driver's station. Examples include 360 degree camera view of the vehicle at the driver's station or display of vehicle's blue force tracking system at the gunner's station.

The CS5400 has been developed as a one-piece sealed unit that mates directly with the current M1114 hatch assembly and is retrofittable to most vehicles that use the M1114 bearing and hatch.

About Us

Designing and manufacturing field-hardened systems to meet the challenges of the military for over 20 years. Control Solutions LLC, your rapid-response provider of motion control solutions.



CS5400 slip ring integrated with ITDS turret controller and M1114 hatch/bearing assembly.

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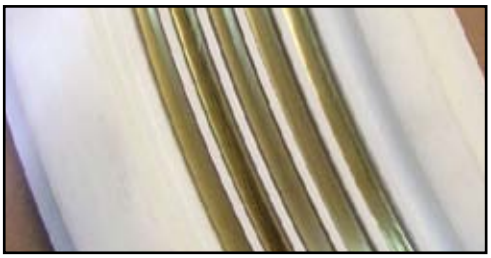
Designed & Manufactured in the USA

CS5400
Large-diameter Turret Slip Ring

Nominal Design Parameters

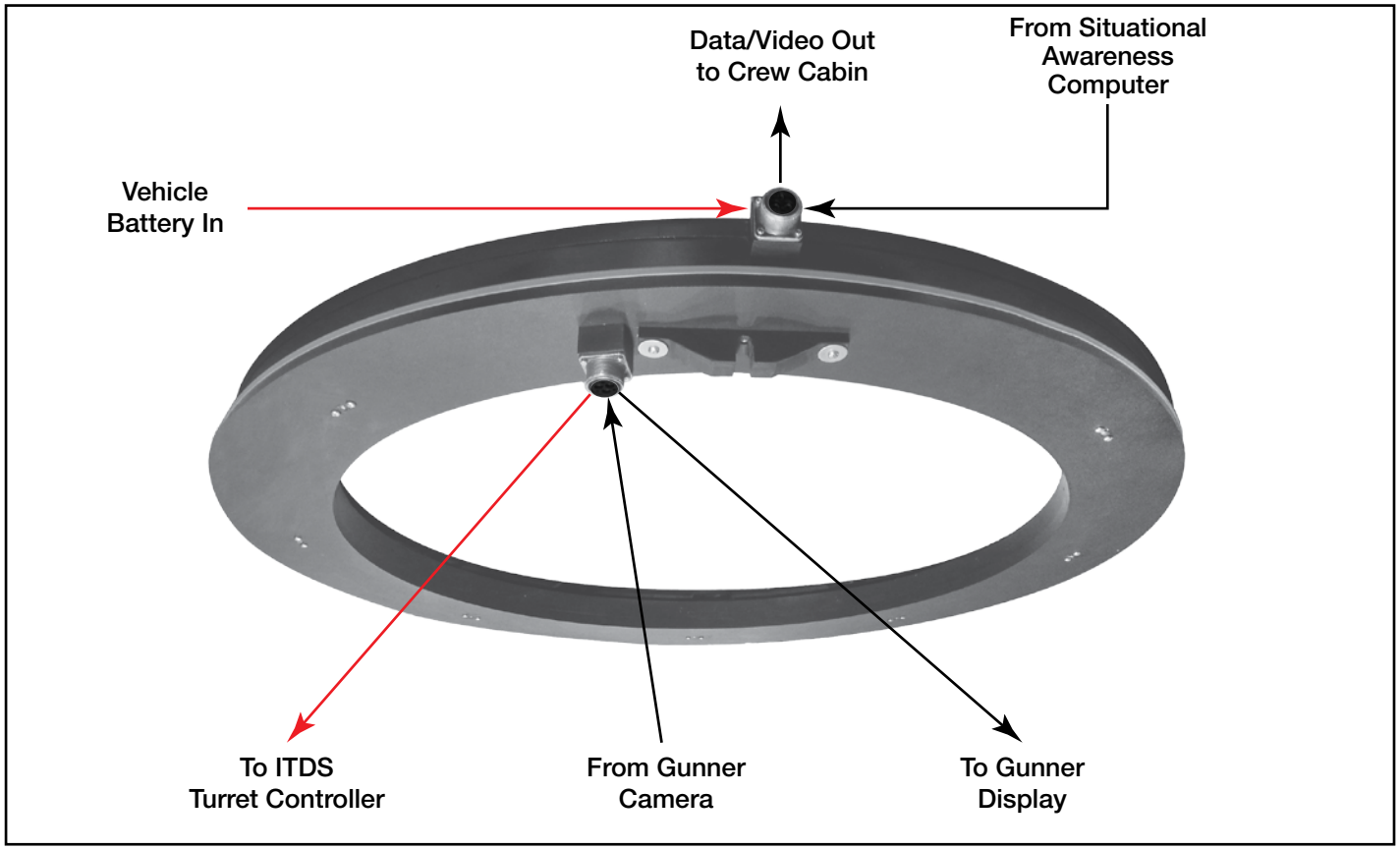
CS5400 Large Diameter Slip Ring	Minimum	Nominal	Maximum
Input Voltage (DC)		24V Vehicle Power	
Current (DC amps)		30	100
Motor Connectivity		ITDS Turret Controller	
Operating Temperature Range °F (°C)	-20 (-29)	90 (32)	180 (82)
Diameter, inches (mm)		38 (96.5) ID 47.5 (120.70) OD	
Rotational speed (RPM)		6	10
Weight, lbs. (kg)		40 (18)	

Note: All specifications are preliminary and subject to change without notice.



Separate power and data channels use exclusive constant contact design to maintain signal integrity.

CS5400 Wiring Diagram (notional)



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