

SR-33

Multi-Channel Slip Ring

The **SR-33**, provides 33 independent electrical circuits with high accuracy channels for Payloads or any other platforms where high quality current and signal transmissions are required. Slip Ring capabilities endure harsh environmental conditions. Made of outstanding raw materials for extended lifetime.

Features:

- Communication & Video Channels; High-current up to 10A;
- Temperature range of -40 to +70 C°
- Light weight; compact size

Applications:

Payload • avionics • robotics • medical • rotary tables •
sensor platforms • vision systems

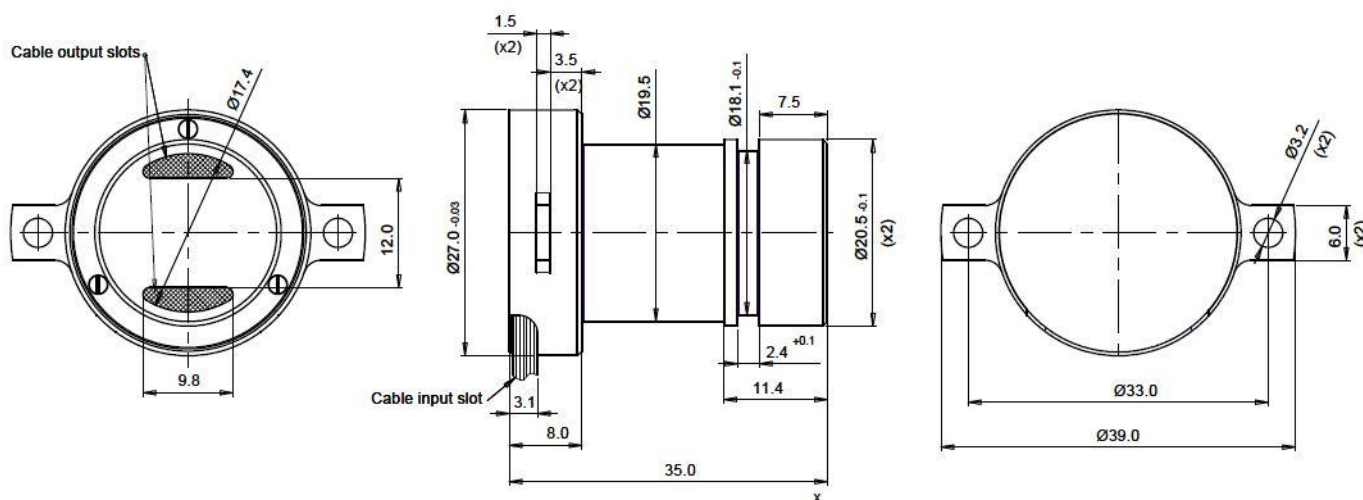


Specifications

Parameter	Unit	Value	Tolerance/Notes
Number of channels (circuits) Video	Circ.	2	-
Number of channels (circuits) current 1.2Amax/40VDC		25	
Number of channels (circuits) current 3Amax/40VDC		2	
Number of channels (circuits) current 5Amax/40VDC		2	
Number of channels (circuits) current 10Amax/40VDC		2	
Operating voltage	VDC	40	max
Total current rating	A	45	max
Insulation resistance	Mohm	100	min
Dielectric strengths	VAC RMS 50HZ	200	max
Circuit resistance	Ohm	0.4	max
Electrical noise (tested at 6VDC,100ma)	Ohm	0.015@2RPM	max
Contact material	Gold on gold		
Lead wire size (types)	AWG	28,26,24,22 Coax #30, 75ohm	According to current
Lead wire length	mm	200	min
Housing	Aluminum alloy		Hard anodize coating
Operating speed	RPM	40	max
Starting torque	gm*cm	100	max
Temperature range	°C	-40+70	
Weight without connectors	gram	90	max

SR-33 (continued)

Drawings



All dimensions are in mm

For Additional Information

To learn more about the SR-33 Slip Ring or to examine potential adjustments, contact MTC via phone **+972 4 998 7772** or email **marketing@mtcind.com**