

ECN055-03P3-12S

Through hole slip ring

Slip rings of the ECN series have the characteristics of precious metal contact and a long service life up to 230 million turns. Furthermore, they are water-proof, pressure-proof, and vibration resistant. Customizable lead wires and connectors support any plug-in including flying lead. The through bore can be used to routing hydraulic pneumatic passages as it can integrate pneumatic hydraulic rotary joints, high-frequency rotary joints and fiber optic rotary joints to meet more technical challenges. ECN055-03P3-12S is a customized through bore slip ring with 55mm inner bore. ECN series is a family of robust through bore slip rings, with a central hole up to $\phi 980\text{mm}$, designed and manufactured by CENO with patented technology.

Advantages


- ◆ Signal & Data Compatible
- ◆ Outer diameter 99mm
- ◆ Long cable length
- ◆ Shaft mounting

Applications

- ◆ Robot arms
- ◆ Radar antennas
- ◆ Military industry
- ◆ Packaging machine

Optional

- ◆ Through hole size
- ◆ Current & ring numbers
- ◆ Signal type
- ◆ IP protection grade

ECN055-03P3-12S	Specification	Picture
Circuits & Current	3*15A,12*5A (signal)	
Electrical noise	Max 10mΩ	
Dielectric strength	$\geq 1000\text{V}@50\text{Hz}$ (power) $\geq 500\text{V}@50\text{Hz}$ (signal)	
Insulation resistance	$\geq 500\text{M}\Omega@1000\text{VDC}$ (power) $\geq 200\text{M}\Omega@500\text{VDC}$ (signal)	
Operating speed	0-50 rpm	
Contact material	Precious metal	
Housing material	Aluminium alloy	
IP protection grade	IP54	
Working temperature	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
Through bore size	55 mm	

Outline Drawing

