

## ECN025-1815-02EG

## Ethernet slip ring

The ECN series Ethernet slip ring is a rotating assembly used to transfer power, control circuits or data (analog / digital) from stationary inlets to rotating outlets. It's provide 100Base-T or 1000Base-T Ethernet connections with a combination of 15 amp power connections. Utilizing high performance precious metal contacts. This series features low electrical noise and Ethernet cables can terminated with RJ45 connector. The through bore can be used to mount the slip ring on a bracket or used for 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.

### Advantages


- ◆ High-performance
- ◆ Stable transmission
- ◆ Shaft-mounted
- ◆ 1000M Ethernet

### Applications

- ◆ Measurement instruments
- ◆ Medical devices
- ◆ Robotics
- ◆ Wrapping machines

### Optional

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

| ECN025-1815-02EG      | Specification                                   | Picture                                                                               |
|-----------------------|-------------------------------------------------|---------------------------------------------------------------------------------------|
| Circuits & Current    | 18*15A,2*1000M Ethernet                         |  |
| Voltage               | 380VAC                                          |                                                                                       |
| Dielectric strength   | ≥1000V@50Hz (power)<br>≥300V@50Hz (signal)      |                                                                                       |
| Insulation resistance | ≥500MΩ@500VDC (power)<br>≥100MΩ@500VDC (signal) |                                                                                       |
| Operating speed       | 0-300 rpm                                       |                                                                                       |
| Contact material      | Precious metal                                  |                                                                                       |
| Housing material      | Aluminium alloy                                 |                                                                                       |
| IP protection grade   | IP54                                            |                                                                                       |
| Through hole size     | 25.4 mm                                         |                                                                                       |
| Working temperature   | -20° C ~ +60° C                                 |                                                                                       |
| Cable length          | 5000mm / 3000mm                                 |                                                                                       |

### Outline Drawing

