

## **ETHERCAP**

# Ethernet rotary coupler

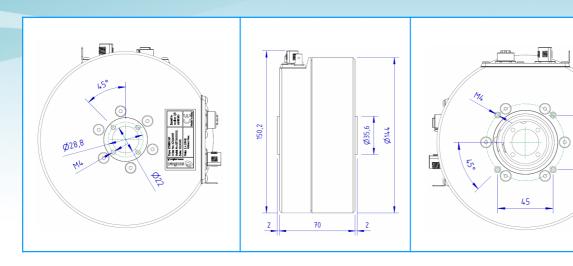
#### Description

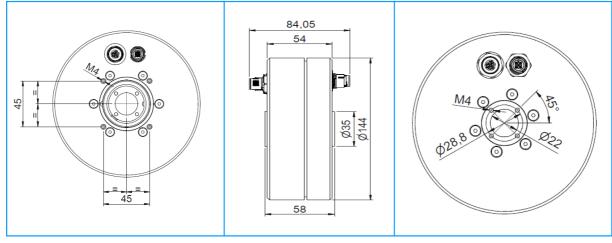
10/100BASE-T Ethernet rotary coupler for industrial applications, housed in an IP54 tiny aluminum case. Capacitive coupling technology allows high-speed contactless communications between revolving parts on machinery and robots. Tested on high-speed real-time SERCOSIII $^{\text{TM}}$  protocol, it is ideal for Ethernet-based fieldbuses. The connections to power supply and to fieldbus are made by robust M12 connectors placed aside the disks or longitudinally, depending on the product version.



| Technical data               |   |
|------------------------------|---|
| Ethernet compliance          | 10/100BASE-T IEEE 802.3 compliant   |
| Coupling method              | capacitive  |
| Housing material             | aluminum  |
| Degree of protection         | IP54  |
| Shaft bore                   | 22 mm   |
| Rotating speed               | Up to 40 rpm  |
| Electrical specifications    | Power supplies: 2 x 24VDC, 2W max.<br>M12 A-coded connectors (power supplies)<br>M12 D-coded connectors (Ethernet)                  |
| Environmental specifications | operating temperature from +5°C to +55°C storage temperature from -40°C to +70°C relative humidity from 10% to 95% (non condensing) |

### **Dimensions**





Data here mentioned may be subject to changes without any notice.



#### Smitec S.p.A.