



Application Solution Aviation

Locking unit for oxygen masks

Leading aircraft manufacturers worldwide entrust Kendrion Kuhnke with their passengers' safety. In the unlikely event of pressure loss in the cabin, oxygen masks are automatically released overhead the passenger seats. For this application Kendrion Kuhnke has developed and produced the entire locking unit with aviation certified materials.

A bistable solenoid system is the core of the unit. During normal operation the integrated permanent solenoid maintains the locked state currentless. In case of emergency, a brief electric pulse activates the locking unit via the coil. The drop down deployment container opens and the oxygen masks are released.

- ✓ Reduced weight through compact design
- ✓ Optimized energy consumption through currentless locking
- ✓ High functional safety in accordance with aviation customer specifications

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