

The ICT800 Contactless In-Cylinder Linear Transducer combines the best features associated with LVDTs and potentiometers into one rugged, contactless and highly reliable displacement transducer.

Signal conditioning is integrated into the transducer flange. Operating from 8 - 30Vdc or 5Vdc supply, the electronics provide an analogue voltage output signal of either 0.5-4.5Vdc or 0.2-4.8Vdc over the selected measurement range.

With a tranducer body diameter of only 8mm the **ICT800** is ideal for installation into hydraulic and pnematic cylinder applications where space is at a premium. The **ICT800** is ideal for use on small-bore actuators and offers a choice of internal or threaded external flange mounting configurations to suit tie-rod, welded and rear clevis-mounted cylinder types in stroke ranges **from 25 to 1000mm**.

Two core configurations also provide the designer the following options:

**SLEEVED CORE** - cylinder rods can be simply machined to accommodate the sleeve. This also gives the option of retro-fitting existing servo-cylinders with an upgrade to ICT technology.

**THREADED CORE** - provides the designer with the minimum transducer body size and simplified installation requiring minimal machining.

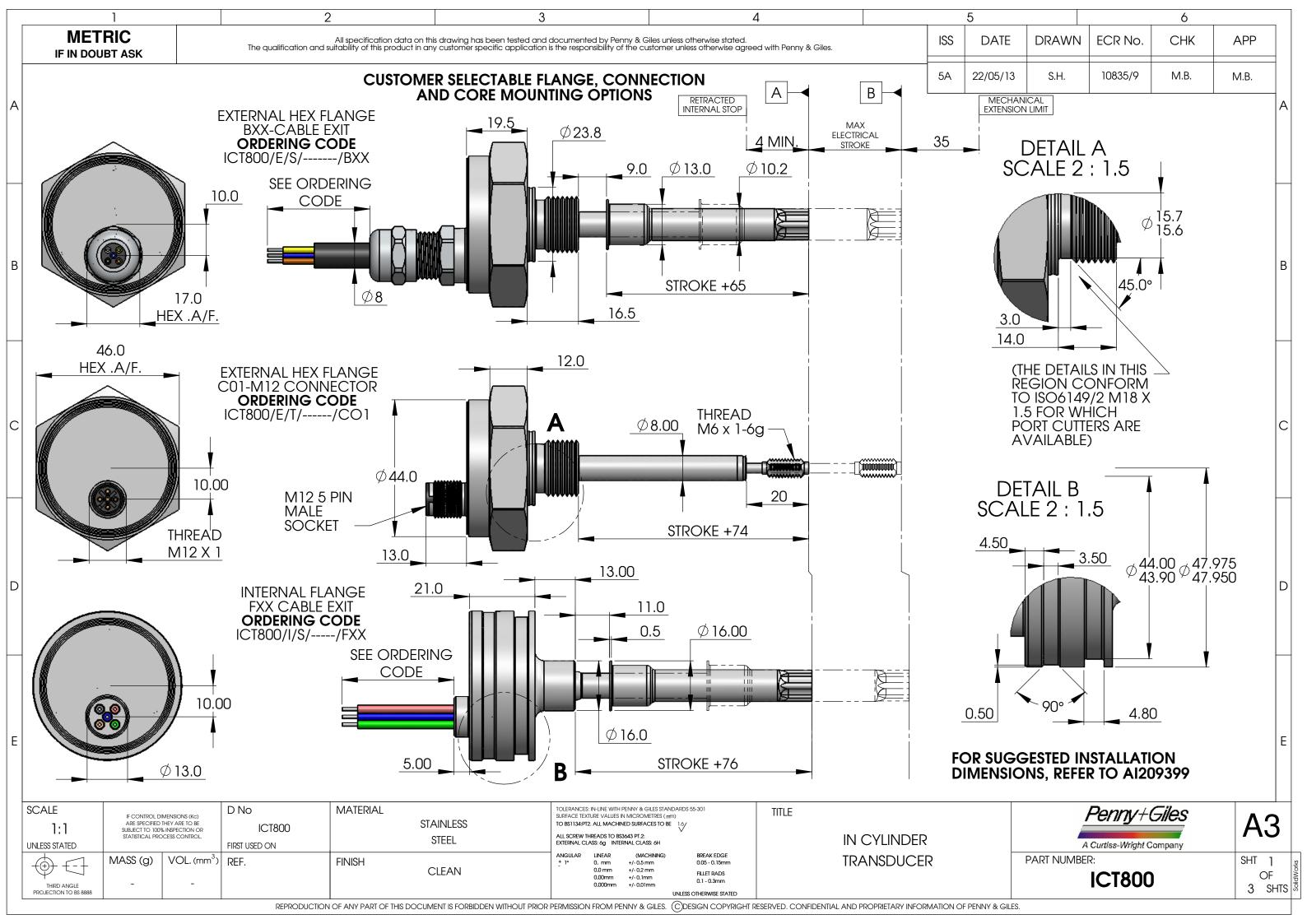
With no electrical sliding contacts, the **ICT800** has a working life which is almost limitless.

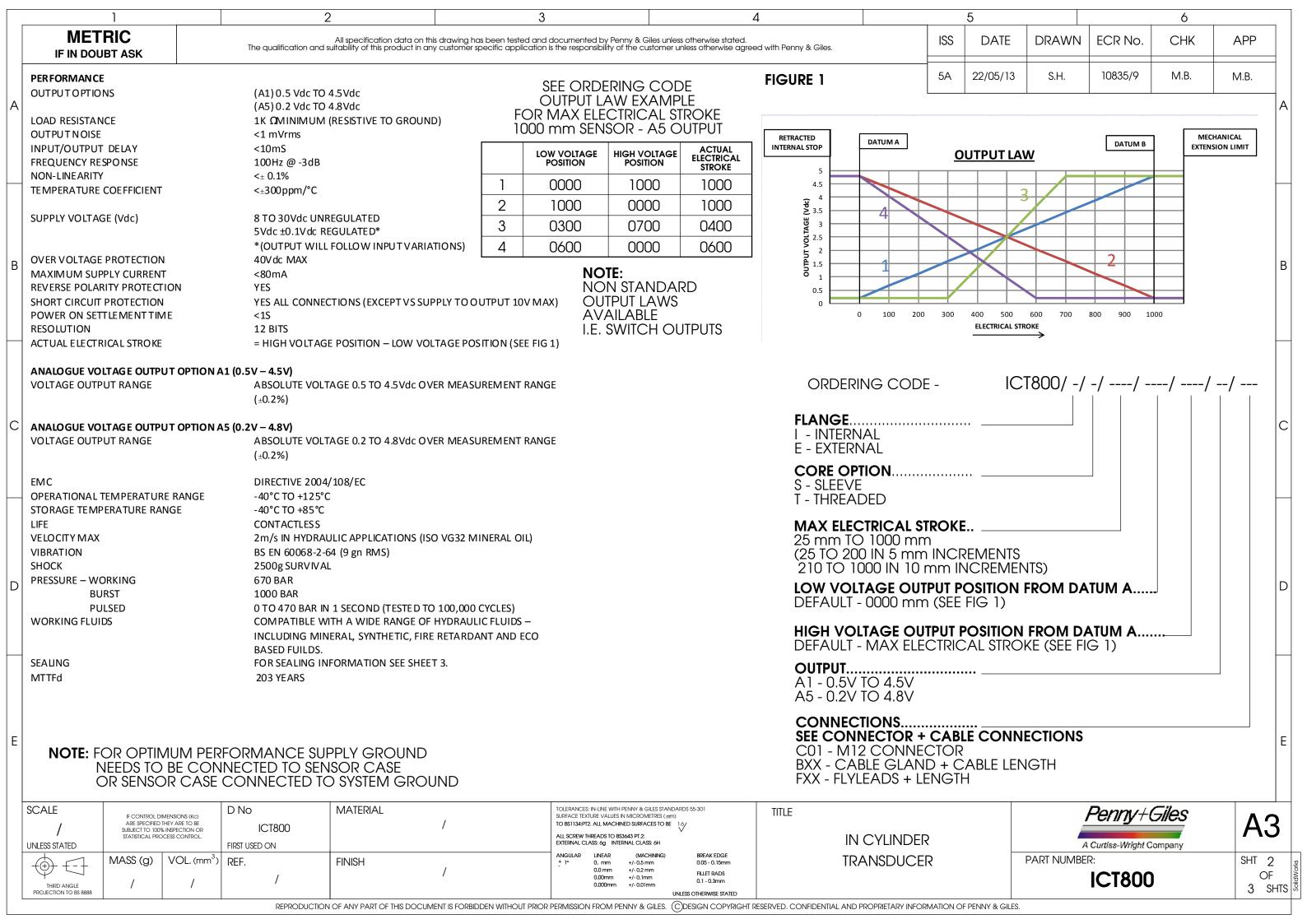


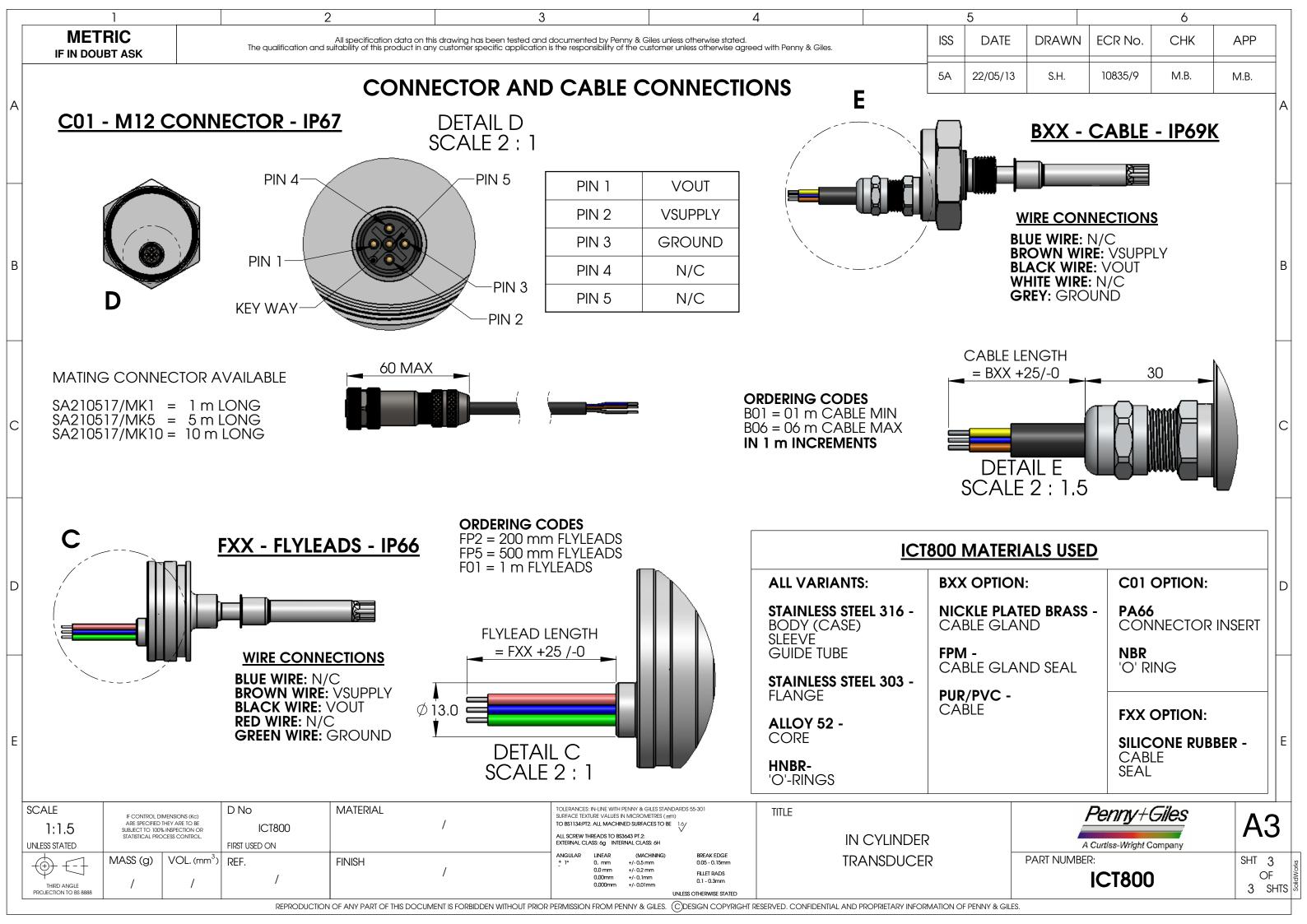
## **Key Features**

- Measurement range 25-1000mm
- Small transducer body length to stroke ratio
- 12bit resolution
- Absolute measurement
- Working pressure to 670 Bar (10,000 psi)
- Temperature range -40 to +125°C
- Operates from 5Vdc or 8-30Vdc
- Analog output 0.5-4.5Vdc or 0.2-4.8Vdc
- Flexible mounting styles
- Rugged stainless steel construction

## ICT800 ANALOG OUTPUT IN-CYLINDER LINEAR TRANSDUCER







Doc Ref: ICT800(PDS)05/13



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