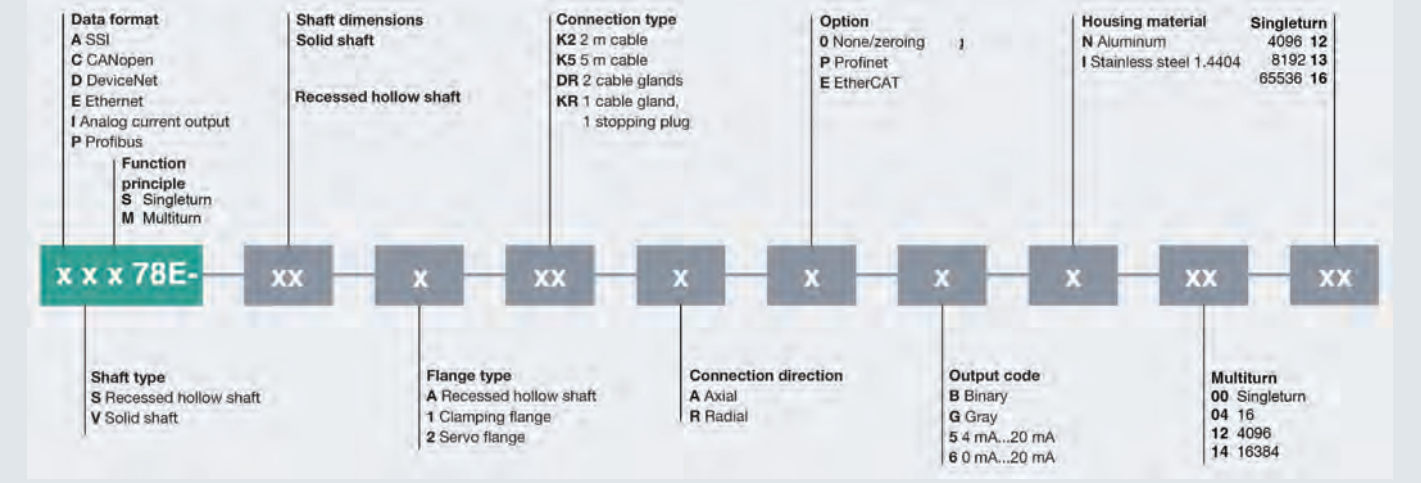
78E Series

Standard Technical Data	
Scanning method	Optical
Output type	Analog, CANopen, DeviceNet, Ethernet, PROFIBUS
Singleturn	Up to 16 bit
Multiturn	Up to 14 bit
Connection technology	Cable, cable gland
Housing design	Ø 78 mm
Shaft type	Solid and recessed hollow shaft
Rotational speed	Max. 3000 rpm
Degree of protection	IP66
Operating temperature	-40 °C ... 70 °C

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.



Highlights

- Removable connection cover: flexible mounting and cabling on-site
- Simple maintenance: separation of the cable and rotary encoder means there is no need to replace the entire device
- ATEX, IECEx, and Ex NEPSI certification for worldwide use in Zone 1/Zone 21
- Wide range of variants for easy adaptation to any application
- Specially developed for the offshore sector
- Robust design for use in extreme conditions

Brief Description

Flexible Mounting and Cabling

The sensor is suitable for speeds of up to 3000 rpm and is designed for a temperature range of -40 °C to 70 °C. It complies with protection type Ex d and meets the international ATEX, IECEx and Ex-NEPSI requirements for gases according to Zones 1 and 2, and for dusts according to Zones 21 and 22. The modular design with removable connection hood facilitates installation and maintenance. With the fieldbus versions, bus coding can be freely programmed directly on-site. The rotary encoder is certified for explosion-hazardous areas (Group II) and firedamp-sensitive mines (Group I).