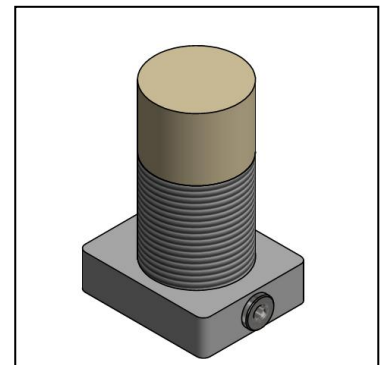


Proximity Transducer RD 018

Applications

- Non-contacting displacement measurement
- 5 m and 10 m systems
- Stainless steel casing
- IP 67
- Max. measuring range 8 mm (from 2 to 10 mm)



Description

The proximity Transducer RD 018 is used in combination with Transmitter TWW 203 for contactless measurement of relative displacement. Measurements are made according to the eddy-current principle. The proximity transducers RD 018 with the same cable length are interchangeable.

Specifications

Proximity Transducer

Ambient temperature range	- 20 to +145° C
Max. measuring range	8 mm (2 to 10 mm) with target material 1.7225
Protection Class	IP 67 (transducer head)
Protection Class	IP 64 (between transducer body and integral
Casing material	Stainless steel (1.4305)
Resistance	against a multitude of oils, chemicals and

Cable

Typ	Triax-Teflon cable (double shielded)
Ambient temperature range	- 20 to +220° C
Length	5 or 10 m
Diameter	2.9 mm
Min. bending radius	20 mm
Resistance	Against a multitude of oils, chemicals and
Connector	Triax-Connector

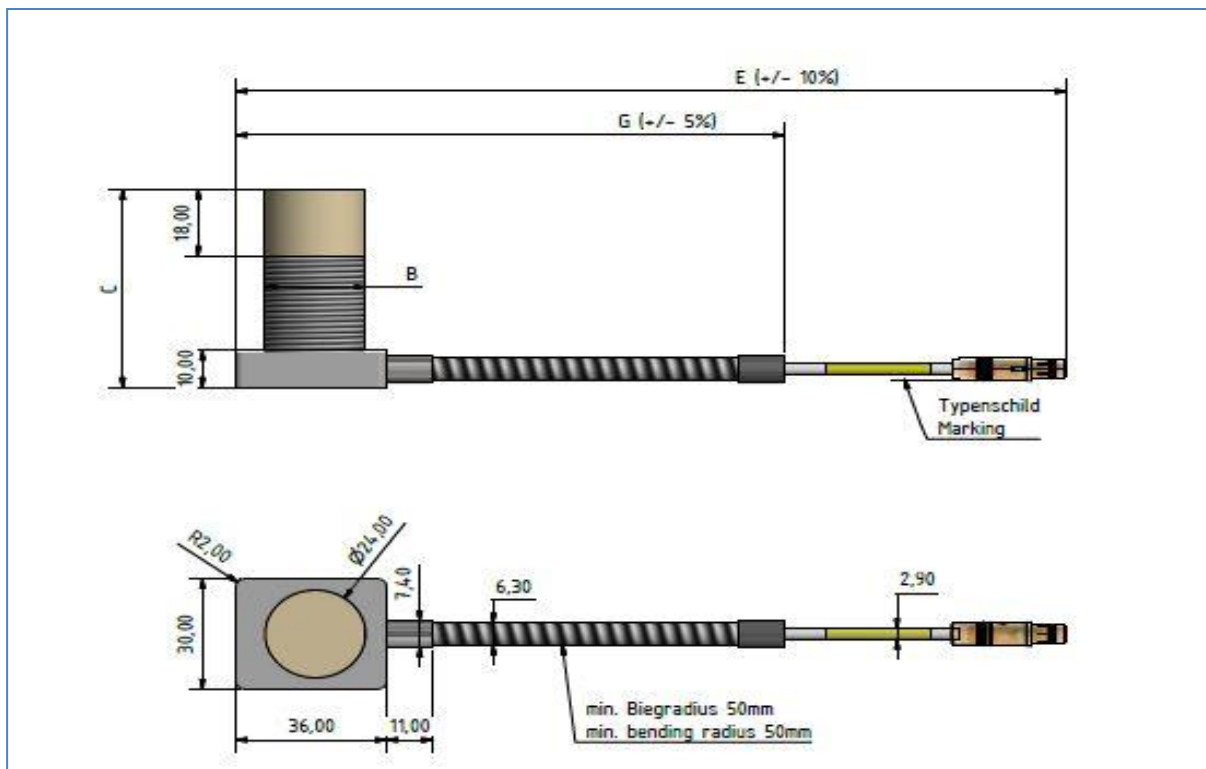
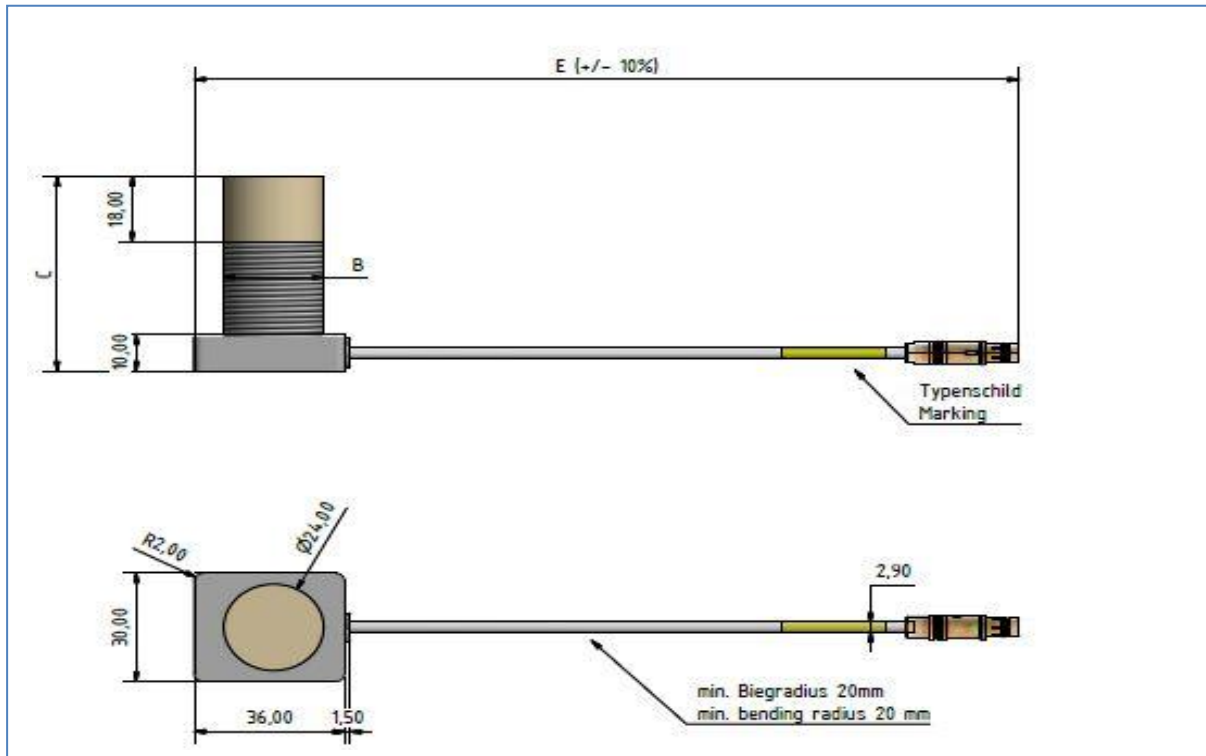
Triax-Connector

Typ	Triax
Ambient temperature range	- 20 to +135° C
Length	28 mm
Diameter	6.5 mm

Cable Protection

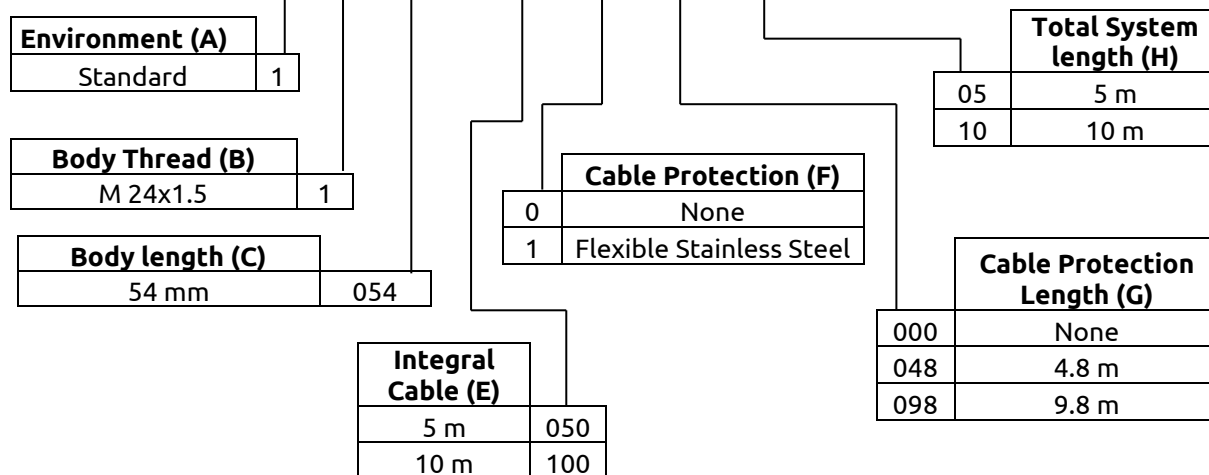
Ambient temperature range	- 20 to +250° C
Material	Stainless steel spiral hose (material SS 304)
Protection class	IP 40
length	4.8 or 9.8 m
Protection class	IP 40
Outside diameter	6.3 mm
Inside diameter	4 mm
Min. bending radius	50 mm
Resistance	Against a multitude of oils, chemicals and

Drawing



Order Information

IST – WWRD018 – Ax – Bx – Cxxx – Exxx – Fx – Gxxx – Hx



Example:

IST-WWRD018-A1-B1-C054-E050-F1-G048-H05

Environment	(A) 1 :	Standard
Body Thread	(B) 1 :	M24x1.5
Body Length	(C) 054 :	54 mm
Integral Cable	(E) 050 :	5 m
Cable Protection	(F) 1 :	With Flexible Stainless Steel
Cable Protection Length	(G) 048 :	4.8 m
Total System Length	(H) 05 :	5 m