• Integrated absolute encoder
• SSI interface, gray or binary coded
• Compact design & easy installation
• 5000 & 10000 mm measuring length
• Resolution 0.1, 0.05, 0.024 mm (other on request)

**MATERIALS**
- Housing (draw wire): anticorodal, UNI EN AW-6082
- Housing (encoder): die cast alluminium, UNI EN AC-46100
- Wire: stainless steel, non magnetic - UNI EN 4305

**ENVIRONMENTAL SPECIFICATIONS**
- Shock: 100 g, 6 ms
- Vibration: 10 g, 5-2000 Hz
- Protection: IP65
- Operating temperature range: -40°C +85°C (-40°F +185°F)
- Storage temperature range: -40°C +100°C (-40°F +212°F)
  (98% R.H. without condensation)

**MECHANICAL SPECIFICATIONS**
- Dimensions: see drawing
- Drum circumference: 200 mm
- Wire retraction force:
  - 5000: 3.2 ÷ 6.5 N
  - 10000: 3.2 ÷ 6 N
- Measuring length: 5000, 10000 mm
- Linearity: ± 0.5 mm
- Repeatability: ± 0.1 mm
- Measuring speed: 2 m/sec max.
- Weight: ~ 0.8 kg
- Connections: M12, M23 plug or cable output 1 m

**ELECTRICAL SPECIFICATIONS**
- Power supply: +7.5Vdc +34Vdc
- Output circuit: SSI, LSB aligned, gray or binary coded
- Resolution: 0.1, 0.05, 0.024 mm
- Consumption: 0.6 W
- Protection: against inversion of polarity and short-circuit
- EMC: electro-magnetic immunity, according to: EN 61000-4-2
  EN 61000-4-4
- Functions:
  - counting direction (input)
  - Zero setting/Preset (input)

**ACCESSORIES**
- EPFL121H: M23 12 pin connector
- EM12F8: M12 8 pin mating connector
- PAN/PGF: flexible couplings
- BR1: reducing sleeves
- EC-CR12F-S2B-T12-xx: cordset xx m, M23 connector
- EC-M12F8-UK-MB-xx: cordset xx m, M12 8 pin connector
- LKM-386: fixing clamps
Order code

<table>
<thead>
<tr>
<th>SFA</th>
<th>-</th>
<th>XXXXX</th>
<th>-</th>
<th>X</th>
<th>-</th>
<th>XXXX</th>
<th>-</th>
<th>X</th>
<th>XX</th>
</tr>
</thead>
</table>

- **MEASURING LENGTH**
  5000 = 5000 mm
  10000 = 10000 mm

- **OUTPUT CIRCUIT**
  BA = SSI, binary code, LSB aligned
  GA = SSI, gray code, LSB aligned

- **RESOLUTION**
  8192 = 0,024 mm
  4000 = 0,05 mm
  2000 = 0,1 mm

- **CONNECTION POSITION**
  - = axial
  R = radial

- **CONNECTIONS**
  L1 = 1 meter
  Lx = cable output x meters
  M = M12 8 pin plug
  M2 = M23 12 pin plug

Specifications subject to changes without prior notice