




# Encoders without bearing

## Encoders without bearing

- Wear-free systems
- For rotary and linear applications
- Dust and dirt tolerant
- 2- and 3-channel variants with zero pulse
- High resolution
- Absolute position sensing through 360° rotation angle
- High protection max. IP 67

				
ITD 69 A 4 Y 5	MDRM 18, MDFM 20 - A270 / C270	MDRM 18, MDFM 20 - A360 / C360	MLFK 10	
<ul style="list-style-type: none"> <li>-Magnetic sensor with rotor</li> <li>-Magnetic sensing</li> <li>-Resolution max. 2048 ppr</li> <li>-Output circuits HTL, TTL or sine 1 V<sub>ss</sub></li> <li>-Without own bearings</li> </ul>	<ul style="list-style-type: none"> <li>-Magnetic sensor with rotor</li> <li>-Measuring range 270° linear</li> <li>-Resolution 1.41° (A270) 0.09° (C270)</li> <li>-Output signals 4...20 mA</li> <li>-Non-contact, wear-free sensing system</li> </ul>	<ul style="list-style-type: none"> <li>-Magnetic sensor with rotor</li> <li>-Measuring range 360° linear</li> <li>-Resolution 1.41° (A360) 0.09° (C360)</li> <li>-Output signals 0...5 V, 0...4.3 V</li> <li>-Non-contact, wear-free sensing system</li> </ul>	<ul style="list-style-type: none"> <li>-System for linear motion feedback</li> <li>-Resolution max. 0.005 mm</li> <li>-Output signals A 90° B and A 90° B + inverted</li> <li>-Output circuits: push-pull and RS422</li> <li>-Non-contact, wear-free sensing system</li> </ul>	
5 VDC ±5 % 8...26 VDC 5 VDC ±10 %	15...30 VDC	5 VDC ±5 %	8...30 VDC 5 VDC ±5 %	
A 90° B, N A 90° B, N + inverted	4...20 mA	0...5 V, non-regulated 0...4.3 V, regulated	A 90° B A 90° B + inverted	
-	±0.6 %, (A270) ±0.25 % (C270)	±0.6 %, (A360) ±0.25 % (C360)	±0.04 mm	
-	-	-	-	
-	270 ° linear	360 ° linear	-	
16 x 48 mm	Rectangular 20 mm Cylindrical M18	Rectangular 20 mm Cylindrical M18	Rectangular 10 mm	
IP 66	IP 67	IP 67	IP 67	