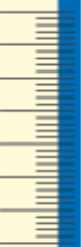
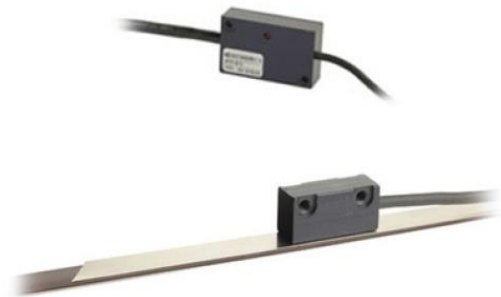


Datasheet



- Miniaturized magnetic sensor IME5
- Resolutions up to 5 μm programmable (Pr) through the serial interface
- Remote interpolation unit
- Sensor body made of die-cast metal material
- Mounting of the magnetic sensor through the existing threaded holes M4 or M3 screws
- Wide alignment tolerances
- Protected against inversion of power supply polarity and short circuits at the output ports.



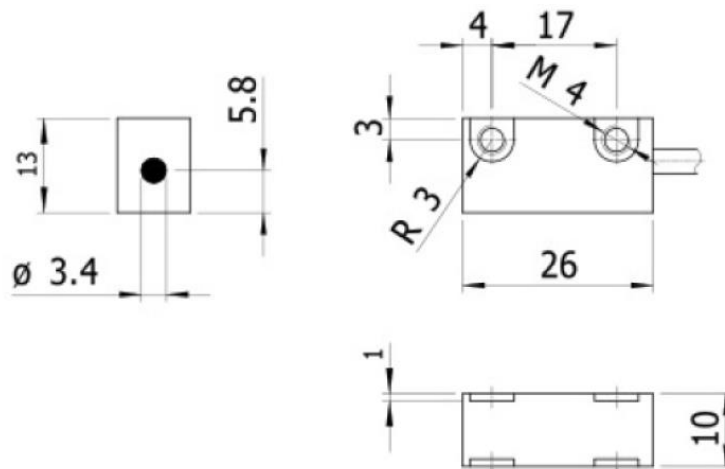
Mechanical Data

Pole Pitch	5+5 mm
Resolution	250;100; 50; 25; 10; 5 μm
Accuracy	$\pm 40 \mu\text{m}$
Distance	Sensor - Magnetic Scale 0.1 to 0.5 mm (with scale PM5-30/15)
Reference index	C = at constant distance (5 mm) Z = positioned on the magnetic scale
Repeatability	± 1 Increment

Electrical Data

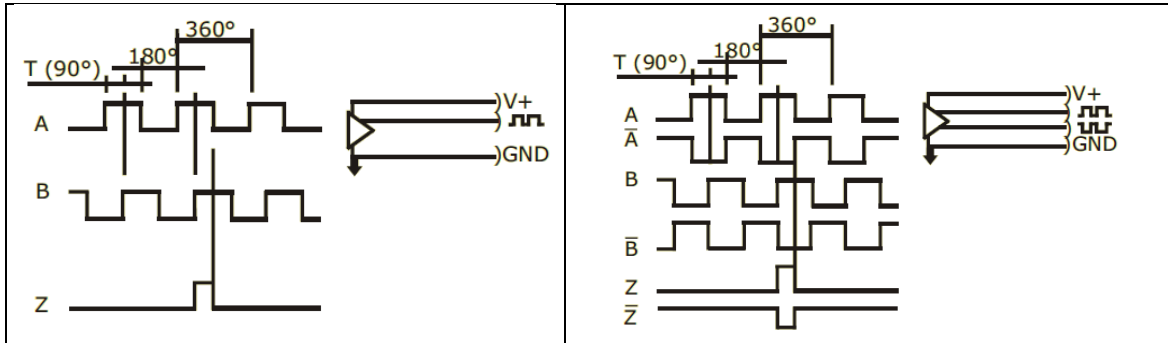
Output	LINE DRIVER / Push-Pull
Power Supply	5-28 VDC $\pm 5\%$
Frequency	max. 300 kHz
Traversing speed	max. 6 m/s or 12 m/s
IP-Rating	IP 67

Dimensions



Datasheet

Pin Assignment



	Push Pull	Line Driver / Diff.
A	green	green
\bar{A}	-	orange
B	white	white
\bar{B}	-	sky blue
Z	brown	brown
\bar{Z}	-	yellow
V+	red	rot
V-	dark blue	dark blue
	-	shield

Type **IME5 - 0,6 - 10 - C - 528V - Y - M01/N - SC**

Speed

0,6 = 0,6 m/s
 1,2 = 1,2 m/s

Resolution [μm]

5 / 10 / 25 / 50 / 100 / 250

Index- Plus, periodic

C = at constant pitch (5 mm)
 Z = positioned on the magnetic scale

Output Voltage

528V = 5-28 VDC

Output

Y = Push-Pull (ABZ)
 L = Line Driver (ABZ, $\bar{A}\bar{B}\bar{Z}$)

Cable

M01/N = 1m
 M02/N = 2m
 M03/N = 3m

Connection

SC = open cable
 C3 = C3
 C4 = C4