

**Linear Magnetic Incremental Encoder****MLC**

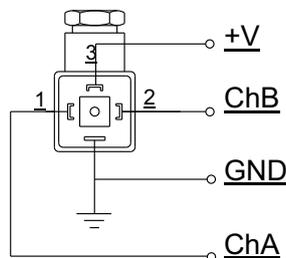
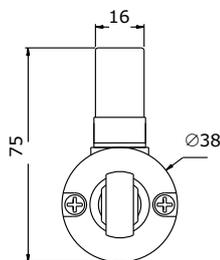
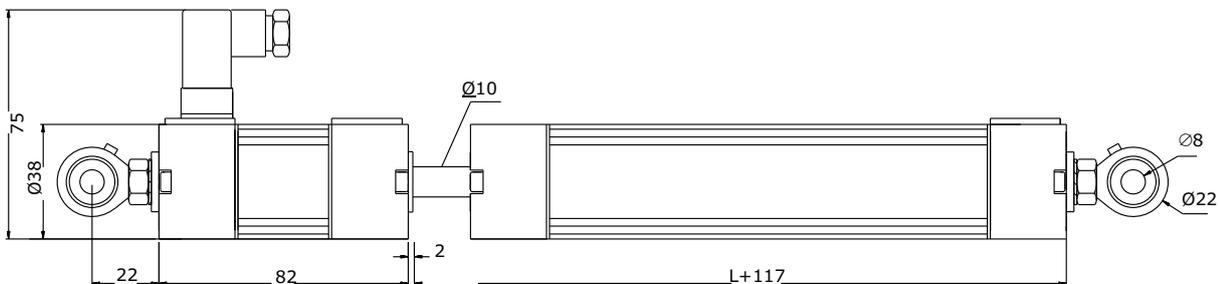
- 10, 20, 40, 50, 80, 100 micron Resolution
- Magnetic Contactless System
- Totempole(Pushpull), TTL Linedrive, HTL Linedriver output options
- IP 64 Protection
- Cable, 4 Pin Hydraulic socket or D-Sub socket connections

**Main Applications**

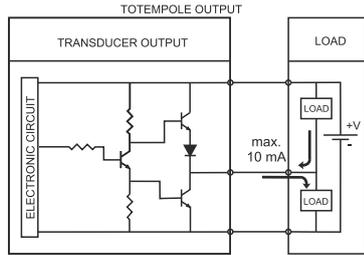
Metal Cutting/ Forming Machineries, Marble/ Stone Machineries and General Automation Applications

**Specifications**

Type of measurement	Magnetic incremental contactless
Measurement strokes	100mm – 600mm (by 50mm steps)
Resolution	0.02mm(20 micron), 0.05mm(50 micron), 0.08mm (80 micron), 0.1mm(100 micron)
Accuracy	± 0.04mm (±40 micron)
Output signals	A, B - AA', BB'
Output signal type	TTL, Totempole (Push-Pull), HTL (only with cable), LD (only with cable)
Supply voltage	8-24V DC (Standard) or 5V DC (Optional), 5-30V DC (Optional)
Case material	Anodized aluminium/ plastic
Max. speed	3 m/s
Working temperature	-20 °C .... + 80 °C
Protection	IP 64
Electrical connection	Connector output (4 pole) or 0,5m cable with DB9(Optional)

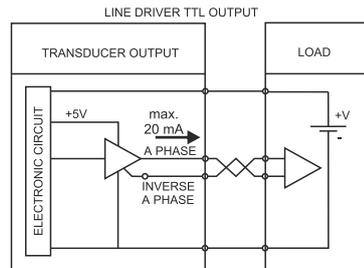
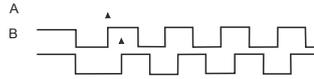
**Ordering Procedure**

MLC	100	T80	TP	B	V2	4K
<i>Model</i>	<i>Measurement Stroke</i> 100-600mm (by 25 mm Steps)	<i>Resolution</i> 20 micron 50 micron 80 micron 100 micron	<i>Output type</i> TP = Totempole TT: TTL LD: Line Driver HLD: High Line Driver	<i>Output signal</i> B: A and B BB: A,A',B,B'	<i>Supply voltage</i> V1: 5V DC (for TT or LD) V2: 8-24V DC (for TP) V3: 5-30V DC (for HLD)	<i>Connection</i> 4K: Hydraulic Connector with 4 pin connector (Standard) 2M5: 2,5 meter cable 9H:H Type D Sub Connector



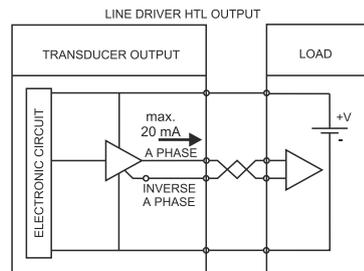
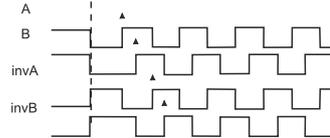
Supply Voltage : 8-24 VDC  
Output Current : max. 10 mA

Quad A/B Mode



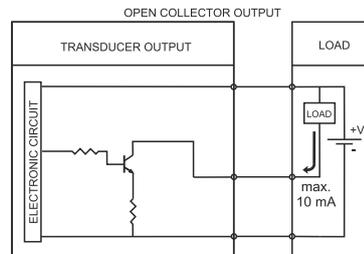
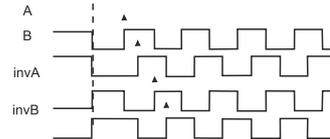
Supply Voltage : 5 VDC or 8-24 VDC  
Output Voltage : 5 VDC

Quad A/B Mode



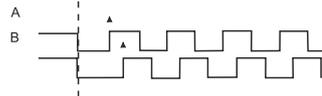
Supply Voltage : 8-24 VDC  
Output Voltage : Supply Voltage

Quad A/B Mode



Supply Voltage : 8-24 VDC or 5 VDC  
Output Current : max. 10 mA

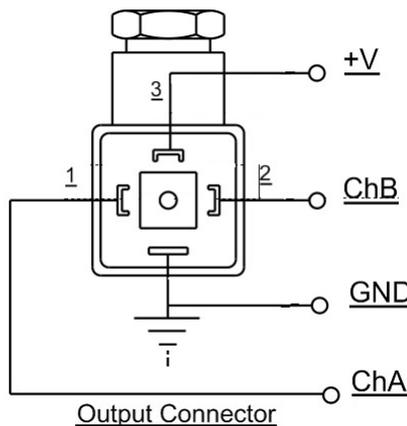
Quad A/B Mode



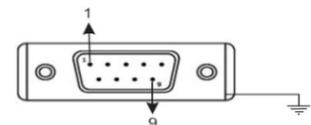
### Totem pole cable configuration

- Ch A : Black
- Ch B : White
- +V DC: Brown
- GND : Blue
- NC : Red
- Earth : Shield

### 4K Connector Configuration



### 9K Connector Configuration



#### G Type Electrical Connection

- Pin 1: Ch A
- Pin 2: Ch A inv.
- Pin 3: Ch Z
- Pin 4: Ch B
- Pin 5: Ch B inv.
- Pin 6: Ch Z inv.
- Pin 7: +V
- Pin 8: GND
- Pin 9: Earth

#### H Type Electrical Connection

- Pin 1: Ch Z
- Pin 2: Ch B
- Pin 3: Ch A
- Pin 4: N.C
- Pin 5: GND
- Pin 6: Ch Z inv.
- Pin 7: Ch B inv.
- Pin 8: Ch A inv.
- Pin 9: +V