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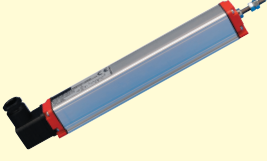
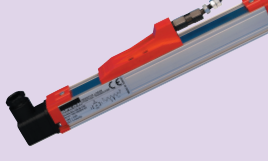

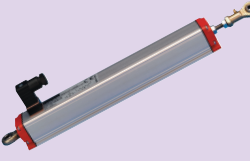
Linear- Rotary Position Sensors

Lineer- Rotary Pozisyon Ölçme Sensörleri

MADE IN TURKEY



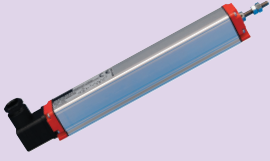
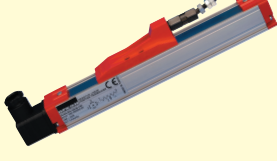

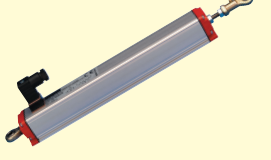
RESISTIVE LINEAR POTENTIOMETERS REZİSTİF LİNEER POTANSİYOMETRELER

TECHNICAL FEATURES TEKNİK ÖZELLİKLER				
MODEL	LPT	LPH	LPC	LPM
MECHANICAL STROKE MEKANİK STROK	30 to 1250 mm	100 to 1500 mm	50 to 800 mm	50 to 600 mm
LINEARITY LİNEARİTE	±%0,05	±%0,05	±%0,05	±%0,05
RESOLUTION ÇÖZÜNÜRLÜK	Infinite	Infinite	Infinite	Infinite
RESISTANCE / OUTPUT REZİSTANS / ÇIKIŞ	5 K or 10 K	5 K or 10 K	5 K or 10 K	5 K or 10 K
WORKING TEMPERATURE ÇALIŞMA SICAKLIĞI	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C
DISPLACEMENT SPEED MAKSİMUM HIZ	5 m/s	1,5 m/s	5 m/s	5 m/s
MECHANICAL LIFE MAKANİK ÖMÜR	100 Million Cycle	100 Million Cycle	100 Million Cycle	100 Million Cycle
CASE MATERIAL GÖVDE MALZEMESİ	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium
ROD MATERIAL MİL MALZEMESİ	Stainless Steel	-	Stainless Steel	Stainless Steel
SUPPLY VOLTAGE BESLEME VOLTAJI	28 V DC Max.	28 V DC Max.	28 V DC Max.	28 V DC Max.
ELECTRICAL CONNECTIONS ELEKTRİKSEL BAĞLANTI	4 Pole Connector	4 Pole Connector	4 Pole Connector	4 Pole Connector
PROTECTION DEGREE KORUMA SINIFI	IP 65	IP 40 If mounted upside down IP 53	IP 65	IP 54
MECHANICAL FIXING MEKANİK BAĞLANTI	Variable Brackets	Variable Brackets	2 Ball Joints	2 Ball Joints
CASE DIMENSIONS ÖLÇÜLER	33 x 33 mm.	33 x 33 mm.	Ø 38 mm.	33 x 33 mm.

RESISTIVE LINEAR POTENTIOMETERS REZİSTİF LİNEER POTANSİYOMETRELER

				
LPS	SLPT	SLPC	SLPS	DWP
SLIM BODY - İNCE GÖVDELİ				
30 to 150 mm	10 to 400 mm	10 to 300 mm	10 to 100 mm	1800 mm
±%0,05	±%0,05	±%0,05	±%0,05	±%0,2,±1,5 mm
Infinite	Infinite	Infinite	Infinite	0.2 Ohm/mm
5 K or 10 K	5 K or 10 K	5 K or 10 K	5 K or 10 K	5 K or 10 K
-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C
1,5 m/s	5 m/s	5 m/s	5 m/s	1,5 m/s
100 Million Cycle	50 Million Cycle	50 Million Cycle	50 Million Cycle	5 Million Cycle
Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Plastic - Steel
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	-
28 V DC Max.	28 V DC Max.	28 V DC Max.	28 V DC Max.	28 V DC Max.
4 Pole Connector	Cable	Cable	Cable	Cable
IP 54	IP 53	IP 53	IP 53	IP 54
Variable Brackets	Variable Brackets	2 Ball Joints	Variable Brackets	-
33 x 33 mm.	18 x 18 mm.	18 x 18 mm.	18 x 18 mm.	81 x 81 x 86 mm.





LINEAR POTENTIOMETERS WITH ELECTRONIC OUTPUT ELEKTRONİK ÇIKIŞLI LİNEER POTANSİYOMETRELER

TECHNICAL FEATURES TEKNİK ÖZELLİKLER				
	ELPT	ELPH	ELPC	ELPM
MODEL	LINEAR POTENTIOMETERS WITH ELECTRONIC OUTPUT - ELEKTRONİK ÇIKIŞLI LİNEER POTANSİYOMETRELER			
MECHANICAL STROKE MEKANİK STROK	30 to 1250 mm	100 to 1500 mm	50 to 800 mm	50 to 600 mm
LINEARITY LİNEARİTE	±%0,05	±%0,05	±%0,05	±%0,05
RESOLUTION ÇÖZÜNÜRLÜK	Infinite	Infinite	Infinite	Infinite
RESISTANCE / OUTPUT REZİSTANS / ÇIKIŞ	0-20mA, 4-20mA, 0-10V	0-20mA, 4-20mA, 0-10V	0-20mA, 4-20mA, 0-10V	0-20mA, 4-20mA, 0-10V
WORKING TEMPERATURE ÇALIŞMA SICAKLIĞI	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C
DISPLACEMENT SPEED MAKSİMUM HIZ	5 m/s	5 m/s	5 m/s	5 m/s
MECHANICAL LIFE MAKANİK ÖMÜR	100 Million Cycle	100 Million Cycle	100 Million Cycle	100 Million Cycle
CASE MATERIAL GÖVDE MALZEMESİ	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium
ROD MATERIAL MİL MALZEMESİ	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
SUPPLY VOLTAGE BESLEME VOLTAJİ	12 - 30 V DC	12 - 30 V DC	12 - 30 V DC	12 - 30 V DC
ELECTRICAL CONNECTIONS ELEKTRİKSEL BAĞLANTI	4 Pole Connector	4 Pole Connector	4 Pole Connector	4 Pole Connector
PROTECTION DEGREE KORUMA SINIFI	IP 65	IP 40 If mounted upside down IP 53	IP 65	IP 54
MECHANICAL FIXING MEKANİK BAĞLANTI	Variable Brackets	Variable Brackets	2 Ball Joints	2 Ball Joints
CASE DIMENSIONS ÖLÇÜLER	33 x 33 mm.	33 x 33 mm.	Ø 38 mm.	33 x 33 mm.






MAGNETIC LINEAR INCREMENTAL SENSORS MANYETİK LİNEER İNKREMENTAL SENSÖRLER

TECHNICAL FEATURES TEKNİK ÖZELLİKLER				
MODEL	MLI	MLC	MLIP	MLR
MEASUREMENT STROKE ÖLÇME STROKU	25 m. Max.	50 - 900 mm	25 m. Max.	150 mm, 170 mm 220 mm, 270 mm 320 mm, 370 mm 420 mm, 470 mm 520 mm, 570 mm 620 mm, 670 mm
RESOLUTION ÇÖZÜNÜRLÜK	100 µm, 80 µm 50 µm, 40 µm 20 µm, 10 µm	100 µm, 80 µm 50 µm, 40 µm 20 µm, 10 µm	100 µm, 80 µm 50 µm, 40 µm 20 µm, 10 µm	20 µm / 5 µm
OUTPUT ÇIKIŞ	A, B, Z or A, A', B, B', Z, Z'	A, B or A, A', B, B' A, A' B, B', Z, Z'	A, B or A, A', B, B' A, A' B, B', Z, Z'	A, A' B, B', Z, Z'
CONTROL OUTPUT ÇIKIŞ MODU	TTL, Totempole Line Driver, High Linedriver	Totempole Line Driver High Linedriver	Totempole Line Driver High Linedriver	Line Driver
MAX. ALLOWABLE SPEED MAKSİMUM HIZ	3 m/s	3 m/s	3 m/s	2 m/s
POWER SUPPLY BESLEME VOLTAJI	8 - 24V DC or 5V DC	8 - 24V DC or 5V DC	8 - 24V DC or 5V DC	5V DC
WORKING TEMPERATURE ÇALIŞMA SICAKLIĞI	-20° C ... +80° C	-20° C ... +80° C	-20° C ... +80° C	-20° C ... +80° C
CABLE KABLO	4 Wire + Shield 6 Wire + Shield 2,5m Cable	4 Pole Connector or 9 Pin Connector With 1m Cable	9 Pin Connector With 1m Cable	9 Pin Connector With 1m Cable
PROTECTION KORUMA SINIFI	IP 66	IP 66	IP 66	IP 66
CASE GÖVDE MALZEMESİ	Aluminium	Anodized Aluminium / Plastic	Anodized Aluminium / Plastic	Anodized Aluminium / Plastic

OPTIC INCREMENTAL ENCODERS OPTİK İNKREMENTAL ENKODERLER

TECHNICAL FEATURES TEKNİK ÖZELLİKLER				
	PRI 50	PRI 58	PRI 50SH PRI 50H	PRI 58SH PRI 58H
MODEL	OPTIC ENCODERS		OPTİK ENKODERLER	
RESOLUTION pulse/turn ÇÖZÜNÜRLÜK puls/tur	100 - 200 - 300 - 360 - 500 - 600 720 - 1000 - 1024 - 1800 - 2000 2048 - 2500 - 3000 - 3600 4000 - 4096 - 5000	100 - 200 - 300 - 360 - 500 - 600 720 - 1000 - 1024 - 1800 - 2000 2048 - 2500 - 3000 - 3600 4000 - 4096 - 5000	100 - 200 - 300 - 360 - 500 - 600 720 - 1000 - 1024 - 1800 - 2000 2048 - 2500 - 3000 - 3600 4000 - 4096 - 5000	100 - 200 - 300 - 360 - 500 - 600 720 - 1000 - 1024 - 1800 - 2000 2048 - 2500 - 3000 - 3600 4000 - 4096 - 5000
OUTPUT ÇIKIŞ	A, B, Z or A, A', B, B', Z, Z'	A, B, Z or A, A', B, B', Z, Z'	A, B, Z or A, A', B, B', Z, Z'	A, B, Z or A, A', B, B', Z, Z'
CONTROL OUTPUT ÇIKIŞ FORMU	TTL, Totempole, Linedriver or High Linedriver	TTL, Totempole, Linedriver or High Linedriver	TTL, Totempole, Linedriver or High Linedriver	TTL, Totempole, Linedriver or High Linedriver
MAX. ALLOWABLE SPEED MASİMUM HIZ	4.000 RPM	4.000 RPM	4.000 RPM	4.000 RPM
POWER SUPPLY BESLEME VOLTAJI	8 - 24V DC 5 - 24V DC 5V DC	8 - 24V DC 5 - 24V DC 5V DC	8 - 24V DC 5 - 24V DC 5V DC	8 - 24V DC 5 - 24V DC 5V DC
WORKING TEMPERATURE ÇALIŞMA SICAKLIĞI	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C	-20° C ... 80° C
CABLE KABLO	5 Wire + Shield or 8 Wire + shield	5 Wire + Shield or 8 Wire + shield	5 Wire + Shield or 8 Wire + shield	5 Wire + Shield or 8 Wire + shield
PROTECTION KORUMA SINIFI	IP 50	IP 50	IP 50	IP 50
ROD MİL	Ø 6-8 -10 mm. Stainless Steel	Ø 6-8-10 mm. Stainless Steel	Ø 6-8-10 mm. Stainless Steel	Ø 6-8-10 mm. Stainless Steel
BODY / CASE GÖVDE	Ø 50 mm. Aluminium Painted Steel	Ø 58 mm. Aluminium Painted Steel	Ø 50 mm. Aluminium Painted Steel	Ø 58 mm. Aluminium Painted Steel
WEIGHT AĞIRLIK	225 gr.	260 gr.	225 gr.	260 gr.
CASE DIAMETER GÖVDE ÇAP	Ø 50 mm.	Ø 58 mm.	Ø 50 mm.	Ø 58 mm.

MAGNETIC INCREMENTAL ENCODERS MANYETİK İNKREMENTAL ENKODERLER

					
MRI 40 MRI 44	MRI 50 MRI 58	MRA 50	MRV 50	MRV 50F	DWE
2,4,8,16,25,32,40,50,64,80, 100,125,128,160,200,250, 256,400,500,512,1024	2,4,8,16,25,32,40,50,64,80, 100,125,128,160,200,250, 256,400,500,512,1024	10 bit / 360°	5V / 360° (Standard) 5V / 45°, 90°, 180°, 360°	5V / 360° (Standard) 5V / 45°, 90°, 180°, 360°	LINEAR ENCODER 500-3500 mm.
A, B, Z or A, A', B, B', Z, Z'	A, B, Z or A, A', B, B', Z, Z'	SSI	Voltage	Voltage	A, B, Z or A, A', B, B', Z, Z'
TTL, Totempole, Linedriver or High Linedriver	TTL, Totempole, Linedriver or High Linedriver	5V TTL	Voltage Output	Voltage Output	TTL, Totempole, Linedriver or High Linedriver
4.000 RPM	4.000 RPM	1.000 RPM	1.000 RPM	1.000 RPM	2m/sec.
8 - 24V DC 5 - 24V DC 5V DC	8 - 24V DC 5 - 24V DC 5V DC	8 - 24V DC or 5V DC	8 - 24V DC or 5V DC	8 - 24V DC or 5V DC	8 - 24V DC 5 - 24V DC 5V DC
-20° C ... 80° C	-20° C ... 80° C	-20° C ... +80° C	-20° C ... +80° C	-20° C ... +80° C	-20° C ... 80° C
5 Wire + Shield or 8 Wire + shield	5 Wire + Shield or 8 Wire + shield	5 Wire + Shield	3 Wire + Shield	3 Wire + Shield	5 Wire + Shield or 8 Wire + shield
IP 50	IP 50	IP 64	IP 64	IP 64	IP 50
Ø 4-6-8 mm. Stainless Steel	Ø 6-8-10 mm. Stainless Steel	Ø 8 mm. Stainless Steel	Ø 8 mm. Stainless Steel		
Ø 40,44 mm Aluminium Painted Steel	Ø 50,58 mm Aluminium Painted Steel	Ø 50,mm Aluminium Painted Steel	Ø 50,mm Aluminium Painted Steel	Ø 50,mm Aluminium Painted Steel	ABS PLASTIC, STEEL
220 gr.	240 gr.	240 gr.	240 gr.	240 gr.	500 gr.
Ø 40 mm. Ø 44 mm.	Ø 50 mm. Ø 58 mm.	Ø 50 mm.	Ø 50 mm.	Ø 50 mm.	81 x 81 x 86 mm.

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