LINEAR POSITION TRANSDUCERS

"Return Spring System, With Bushing, Small Body"

LKR

GENERAL FEATURES

- Return spring system
- Measuring distance (stroke) options between 10mm and 100mm
- M10x0,75 bushing (optional others)
- Potentiometric measurement
- 1K, 5K and 10K resistance options
- ±%1 high linearity
- Long life up to 5 million movements
- Compact design
- IP65 protection

APPLICATIONS

- Gas pedal

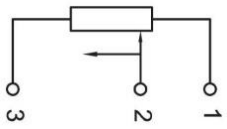
TECHNICAL SPECIFICATIONS

Electrical Data					
Model	**LKR 010**	**LKR 025**	**LKR 050**	**LKR 075**	**LKR 100**
Electrical Stroke (mm)	10	25	50	75	100
Independent Linearity	±%1				
Repeatability	0.05 mm				
Output Type	**Potentiometric**				
Resistance	1K, 5K, 10K (optional other)				
Resistance Tolerance	±%20				
Supply Voltage	42V max.				
Minimum Life (electrical)	10 million cycles				
Electrical Connection	3x0,102 mm^2 soft PVC cable (optional other)				

Mechanical Data					
Model	**LKR 010**	**LKR 025**	**LKR 050**	**LKR 075**	**LKR 100**
Mechanical Stroke (mm)	12	27	52	77	102
Adjusting force of the push rod with return spring	10N max.				
Operating Temperature	-25°C … +75°C				
Storage Temperature	-25°C … +105°C				
Protection Class	IP65				
Minimum Life (mechanical)	5 million cycles				
Rod Material	Stainless Steel				
Body Material	Aluminum				

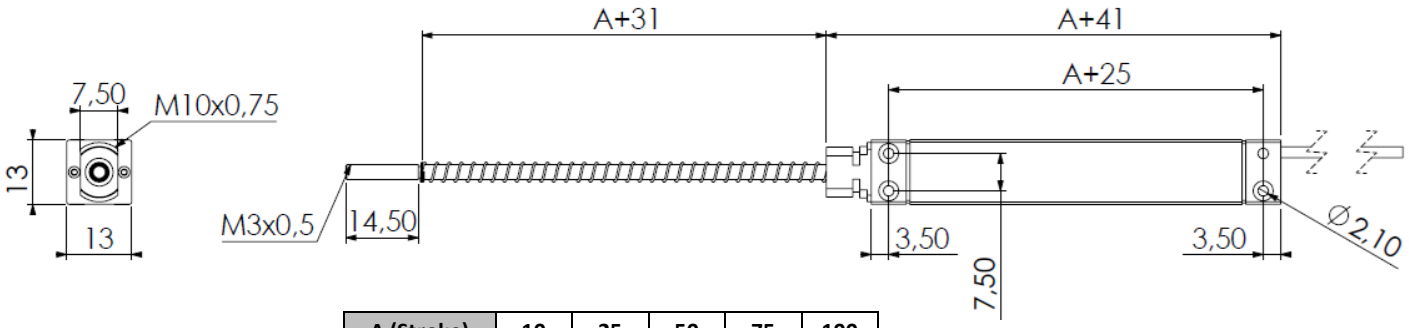
ELECTRICAL CONNECTION

SIGNAL	CABLE COLOR
+V	Green (1)
Output Signal	Red (2)
-V	Yellow (3)



Potentiometer Connection
(Voltage Divider)

MECHANICAL DIMENSIONS (mm)



A (Stroke)	10	25	50	75	100

ORDER CODE

Model

Resistance Value

1K : 1K
5K : 5K
10K : 10K

LKR	-	XXX	-	XXX	-	XXX

Measuring Lengths (stroke)

010 : 10mm
025 : 25mm
050 : 50mm
075 : 75mm
100 : 100mm

Electrical Connection

0.15M : 15 cm cable
*Optional others

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