



Wire draw encoders Compact

PKS09-ATBM0220



Model Name > **PKS09-ATBM0220**
Part No. > **1035242**



Illustration may differ

At a glance

- Incremental encoders
- Compact housing (90 x 90 x 90 mm)
- Encoder integrated into housing
- Measuring lengths from 2 m to 5 m
- High resolution
- TTL interface

Your benefits

- Industrial designed encoder integrated in an aluminum housing makes it less susceptible to external damage, saving time and reducing maintenance costs
- Extremely precise measurements by eliminating the coupling between the encoder and the mechanism
- Space-saving installation, since the encoder is directly integrated into the wire draw mechanics.
- Very precise measurements thanks to high resolution



Performance

Measuring range:	0 m ... 2 m
Linearity:	$\leq \pm 0.7$ mm
Piston speed:	3.5 m/s
Repeat accuracy typ:	3 measuring steps

Mechanical data

Mass:	1.5 kg
Measuring wire diameter:	0.6 mm
Housing material:	Aluminum
Spring return force:	5 N ... 6 N ¹⁾
Life of wire draw mechanism::	800,000 cycles ²⁾ ³⁾
Wire acceleration:	≤ 20 m/s ²

¹⁾ These values were measured at an ambient temperature of 25 °C. There may be variations at other temperatures. ²⁾ Average values, which depend on the application ³⁾ At high operating speeds over great lengths, this figure can decrease; at slow operating speeds over short lengths, it can increase.

Electrical data

Operating current:	60 mA (without load)
Reference signal:	1/765 measuring steps

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