

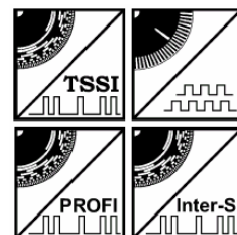
PCS60D, PCS60P Cable pull linear encoder

Absolute encoder, incremental encoder output



Compact design suitable for industry application

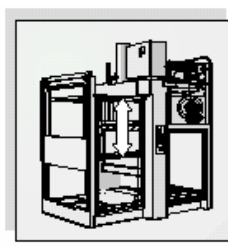
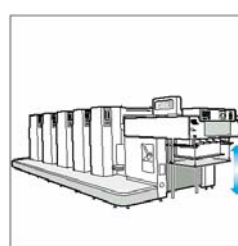
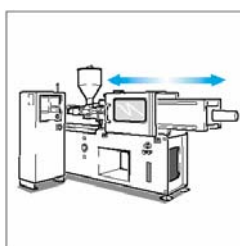
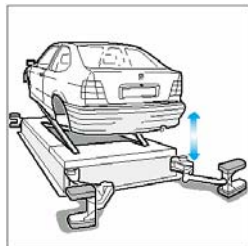
- IP Class: IP65
- Measure range: 0---1000mm
- Absolute encoder output
- Incremental encoder output



Technical feature

Electric output:	Absolute encoder output : SSI, PROFIBUS, DEVICENET CAN, AS-interface, INTERBUS Incremental encoder output: 10-30VDC push-pull, 5V RS422, 10-30VDC RS422。
Resolution:	133.764mm/Rot $\pm$ 0.063 (for incremental and absolute encoder)
Material:	Aluminum, stainless steel, copper , POM Wire: stainless steel(0.6mm)
Sensing Unit:	Multi-turns absolute encoder or incremental encoder.
Connection:	Pin connector or Cable outlet
Accuracy:	$\pm$ 0.3mm
working environment: EMC: Temperature:	Depend on the encoder (EN50081-1) -20°C—+80°C
Force on wire: Min: Max:	4N 6N
Shock and vibration:	Depend on: DIN EN60028-2-27, 100g, 3ms DIN EN60028-2-6, 10g, 10...2000HZ
Lifetime (see note)	500,000 cycles
IP Class:	IP65
Weight:	Approx. 0.5Kg

Application example:



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Type code:

PCS90

		PCS60D	—		—		—	SSI	—	
Serial Type										
		PCS60D absolute encoder								
		PCS60P incremental encoder								
Range (mm)										
		1000								
mm/pulse										
		R032 0.0326mm/Pulse (incremental or absolute encoder)								
		R016 0.0163mm/Pulse (only absolute encoder 13bit/turn)								
Output										
		SSI	12x12 bits							
		PRFI	PROFIBUS interface							
		DEVICE	DEVICENET interface							
		INTER	INTERBUS interface							
		CANopen	CAN interface							
		ASI	AS-interface interface							
		PUPL	10-30VDC, A+B+O, push-pull(only PCS90P)							
		RS422	5VDC, A+B+O 和 A/+B/+O/ output (only PCS90P)							
		RS422A	10-30VDC, A+B+O 和 A/+B/+O/ output (only PCS90P)							
		O	Option enquiry							
IP Class										
		65 IP65								



Warning

Safety warning: Never let snap back the wire. Free back-running wire will damage the device.

Note: Lifetime

The lifetime depends on type of load. Specified values are average. The lifetime may be decreased by fast, long-distance movements and may be increased, if slowly short-distance movements are applied.

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Housing and mounting dimension:

