

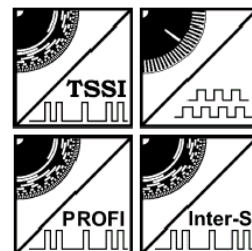
PCS90DE, PCS90PE Extension Cable pull encoder

Absolute encoder, incremental encoder output



Compact design suitable for industry application

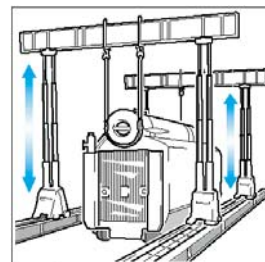
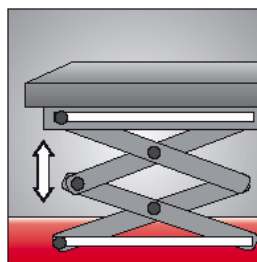
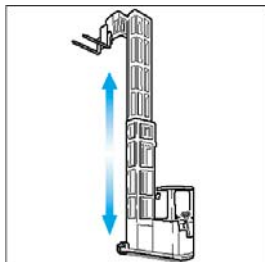
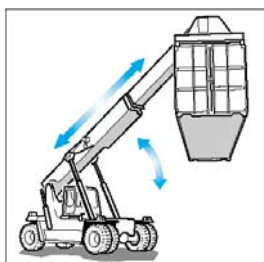
- IP Class: IP65
- Extension Measure range: 0---4000, 5000mm
- Absolute encoder output
- Incremental encoder output



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:	222.94mm/Rot ± 0.094 (for incremental and absolute encoder)
Material:	Aluminum, stainless steel, copper , POM Wire: stainless steel(1.0mm)
Sensing Unit:	Multi-turns absolute encoder or incremental encoder.
Connection:	Pin connector or Cable outlet
Accuracy:	±0.5mm
working environment:	
EMC:	Depend on the encoder (EN50081-1)
Temperature:	-25°C—+80°C
Force on wire:	
Min:	6N
Max:	12N
Shock and vibration:	Depend on: DIN EN60028-2-27, 100g, 3ms DIN EN60028-2-6, 10g, 10....2000HZ
Lifetime (see note):	100,000 Cycles
IP Class:	IP65
Weight:	Approx. 1.2Kg

Application example:



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Type code:

PCS90

		PCS90DE	—		—		—	SSI	—	
Serial Type		PCS90DE absolute encoder PCS90PE incremental encoder								
Range (mm)		4000 5000								
mm/pulse		R058 0.0544mm/Pulse (incremental or absolute encoder) R029 0.0272mm/Pulse (only absolute encoder 13bit/turn)								
Signal 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:

