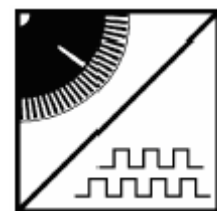


## Incremental encoder output



### Compact design suitable for industry application

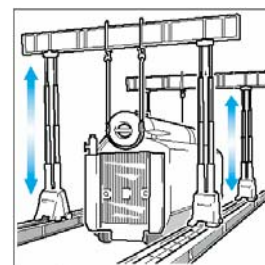
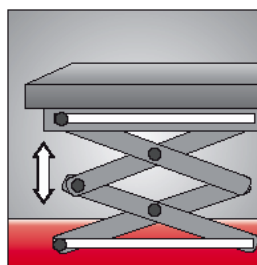
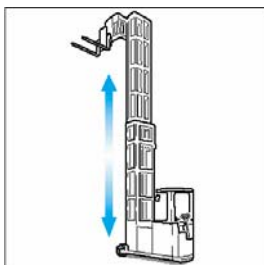
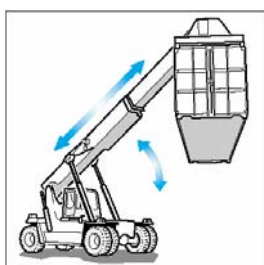
- IP Class: IP65
- Measure range: 0---2000,3000mm
- Incremental encoder output



### Technical feature

|                                              |                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------|
| Electric output:                             | Incremental encoder output: 10-30VDC push-pull, 5V RS422, 10-30VDC RS422。            |
| Resolution:                                  | 222.94mm/Rot $\pm$ 0.094                                                             |
| Material:                                    | Aluminum, stainless steel, copper, POM<br>Wire: stainless steel                      |
| Sensing Unit:                                | Incremental encoder                                                                  |
| Connection:                                  | Cable outlet or Plug                                                                 |
| Accuracy:                                    | $\pm$ 0.5mm                                                                          |
| Working environment:<br>EMC:<br>Temperature: | Depend on the encoder (EN50081-1)<br>-20°C—+70°C                                     |
| Force on the cable:<br>Min:<br>Max:          | 6N<br>9.8N                                                                           |
| Shock and Vibration:                         | Depend on encoder: DIN EN60028-2-27, 100g, 3ms<br>DIN EN60028-2-6, 10g, 10....2000HZ |
| Lifetime (see note):                         | 500,000 Cycles                                                                       |
| IP Class:                                    | IP65                                                                                 |
| Weight:                                      | Approx. 0.7Kg                                                                        |

### Application example:



# PCS90I Cable pull linear encoder

## Incremental encoder output

### Type code:

PCS90

|             |  |                                                                                                                        |  |  |  |      |  |
|-------------|--|------------------------------------------------------------------------------------------------------------------------|--|--|--|------|--|
|             |  | PCS90I                                                                                                                 |  |  |  | PUPL |  |
| Serial Type |  | PCS90I incremental encoder                                                                                             |  |  |  |      |  |
| Range (mm)  |  | 2000<br>3000                                                                                                           |  |  |  |      |  |
| mm/pulse    |  | R0223 0.223mm/Pulse<br>OP option enquiry                                                                               |  |  |  |      |  |
| output      |  | PUPL 10-30VDC, A+B+O, push-pull<br>RS422 5VDC, A+B+O and A/+B/+O/ output<br>RS422A 10-30VDC, A+B+O and A/+B/+O/ output |  |  |  |      |  |
| IP Class    |  | 65 IP65<br>55 IP50                                                                                                     |  |  |  |      |  |



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.

## PCS90I Cable pull linear encoder

### Incremental encoder output

#### Housing and mounting dimension:

