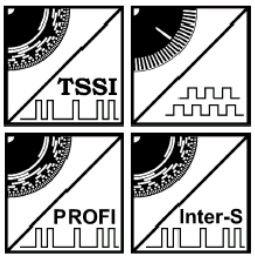
PCS78D, PCS78P Cable pull linear encoder

Absolute encoder， incremental encoder output

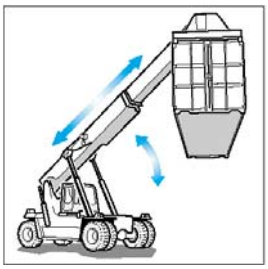
Compact design suitable for industry application

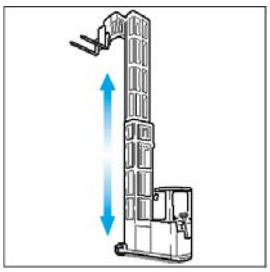
- IP Class: IP65
- Measure range: 0---2000mm
- Absolute encoder output
- Incremental encoder output

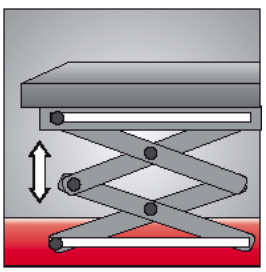


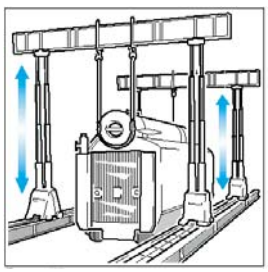
Technical feature	Electric output：	Absolute encoder output : SSI，PROFIBUS，DEVICENET CAN， AS-interface, INTERBUS Incremental encoder output: 10-30VDC push-pull， 5V RS422， 10-30VDC RS422。
	Resolution：	200.33mm/Rot ± 0.1mm（for incremental and absolute encoder）
	Material：	Aluminum， stainless steel, copper , POM Wire： stainless steel(1.0mm)
	Sensing Unit：	Multi-turns absolute encoder or incremental encoder.
	Connection：	Pin connector or Cable outlet
	Accuracy：	±1.5mm
	working environment： EMC： Temperature:	 Depend on the encoder（EN50081-1） -25°C—+85°C
	Force on wire： Min: Max:	 6N 9.8N
	Shock and vibration：	Depend on： DIN EN60028-2-27， 150g， 6ms DIN EN60028-2-6， 10g， 10….2000HZ
	Lifetime (see note):	1,000,000 Cycles
	IP Class：	IP65
	Weight：	Approx. 0.7Kg

Application example：









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Absolute encoder , incremental encoder output

Type code：

PCS78 **PCS78D** — [ ] — [ ] — **SSI** — [ ]

Serial Type

PCS78D absolute encoder

PCS78P incremental encoder

Range（mm）

2000

mm/pulse

R049 0.049mm/Pulse（incremental or absolute encoder）

R024 0.0245mm/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

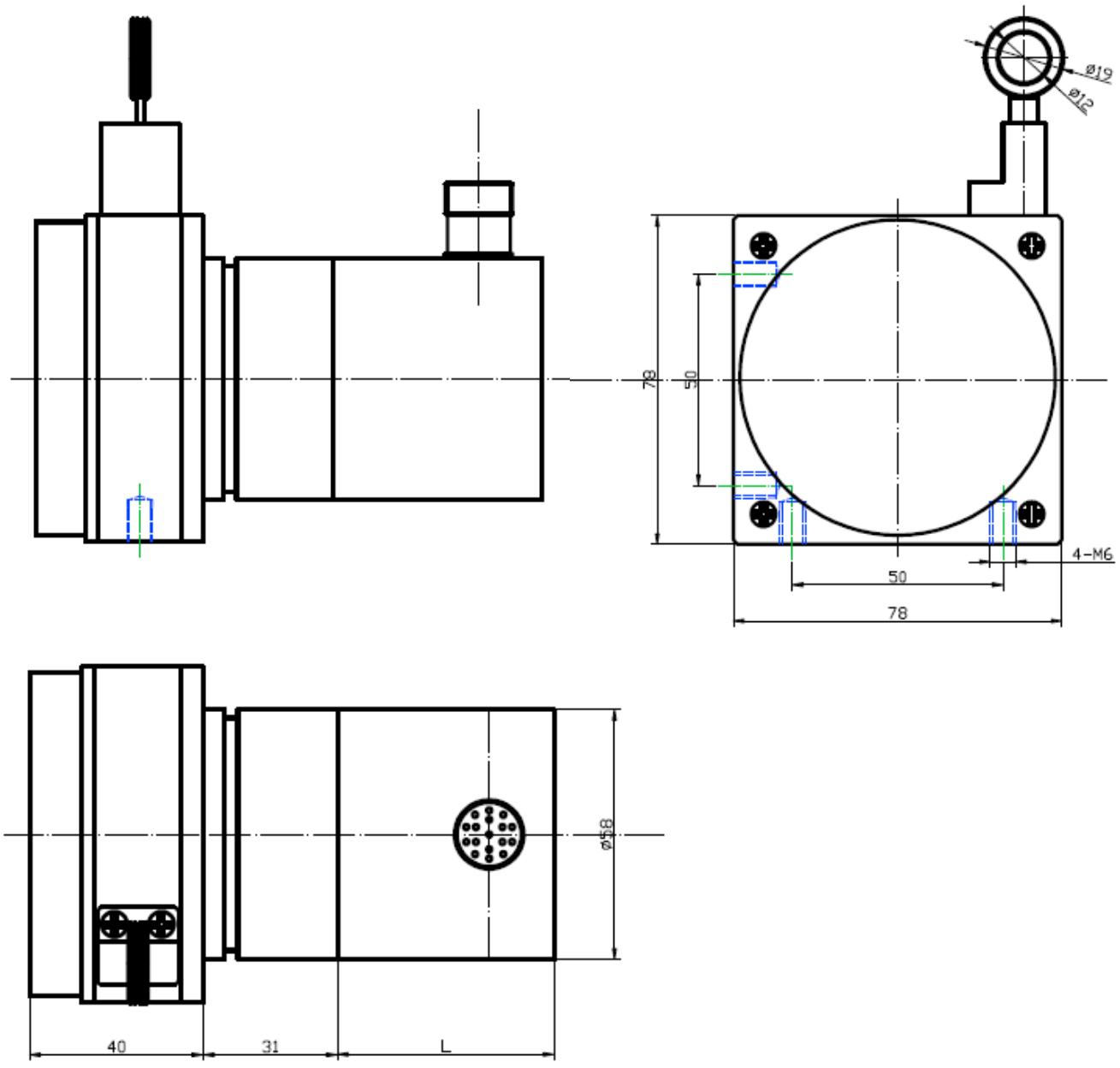
65 IP65

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.

Housing and mounting dimension:



L=Encoder housing length