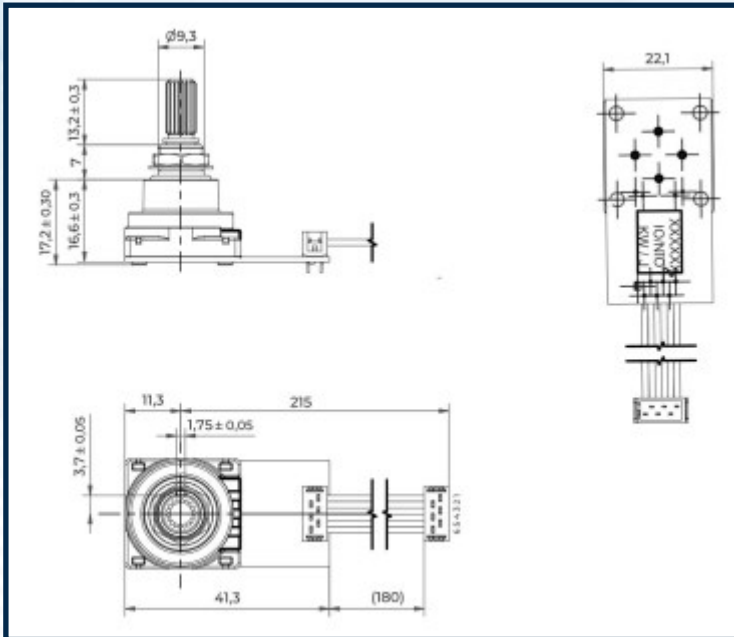


## ROBUST IP67 ROTARY ENCODER



**P/N: STD-1650-S000**

### MECHANICAL SPECIFICATIONS:

Number of positions: 20.

Operation cycles: 500,000 cycles min. 1M for the push.

Rotate force: 2-4 Ncm.

Push force: 8-12 Ncm

### ENVIRONMENTAL SPECIFICATIONS:

Water & dust protection: IP67

Operating temperature range:  $-45/+80$  °C.

Relative humidity: 99%.

### ELECTRICAL SPECIFICATIONS:

Switching mode encoder: Photoelectric barrier.

Contact form: 2 Signals & Momentary push.

Maximum rating: 20mA/5VDC.

Contact bouncing: < 4ms.

### EMATERIALS SPECIFICATIONS:

Housing: Zinc die-cast Nickel-plated.

Shaft: Stainless steel.

### Options & information:

Nut & Spring washer can be added upon request.

2.2K $\Omega$  external pull-up resistors required for operation, between lines 6-5 & lines 6-4.

2 options for the length of the shaft.