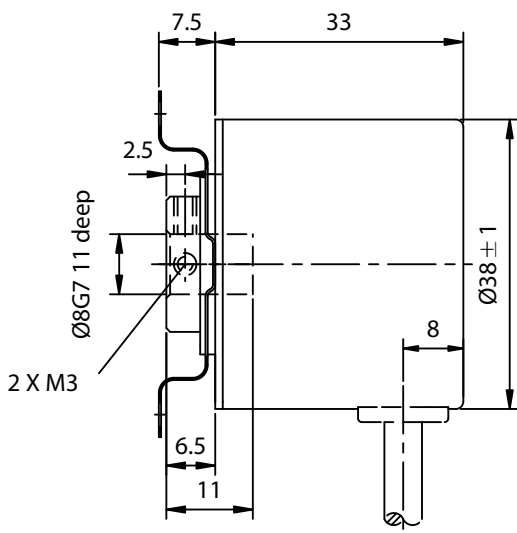
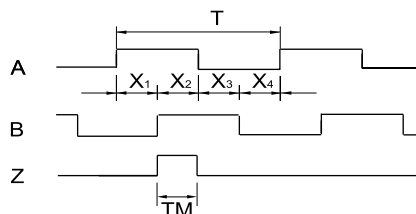


Mechanical Specifications

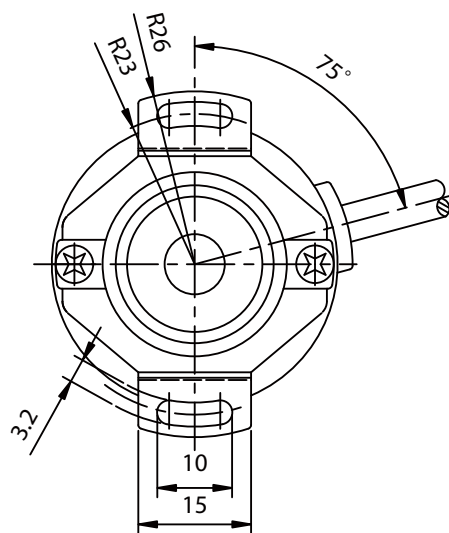
Rotational Speed		6000r/min
Shaft Load	Axial	30N
	Radial	20N
Mass		approx. 0.18kg
Environmental Rating		IP50
Starting Torque		$15 \times 10^{-4} \text{ N.m}$
Operating Temperature		$-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Storage Temperature		$-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Shock Resistance		1000m/s^2 , 6ms
Vibration Resistance		100m/s^2 , 10~200Hz
Connection		1m cable
Housing		Powder-coated Aluminum
Shaft		Stainless


Signal Outputs


P cw - with view onto the shaft

- Wave Ratio $X_1+X_2=0.5T \pm 0.1T$
 $X_2+X_3=0.5T \pm 0.1T$
- Phase shift $X_n > 0.15T (n=1,2,3,4)$
- Zero signal width $*TM=0.25T \pm 0.1T$
- $T=360/N$ (N: The rotation of the shaft output number of pulses)

* When pulse count $\geq 2000P/R$
Zero signal width $TM=0.5T \pm 0.15T$


Electrical Connection

Color of Lead Wire	6T / 72T	6H / 6N
Red	Vcc	Vcc
Black	0V	0V
Green	A	A
Pink	$\bar{A}$	-
Yellow	B	B
Blue	$\bar{B}$	-
White	Z	Z
Orange	$\bar{Z}$	-
Screen	G	G