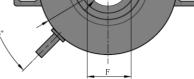


TYPE SIZE	45F	38F	30F	20F	
А	А Ф 52		Φ 42	Φ 32	
В	Φ66	Φ 66	Φ 60	Φ 50	
С	$\Phi45^{+0.050}_{+0.025}$	Φ38 ^{+0.050} +0.025	$\Phi 30^{+0.050}_{+0.025}$	Ф20 ^{+0.045} +0.025	



TYPE SIZE	30K	20K		
D	Φ42	Φ 32		
Е	$\Phi 30^{+0.041}_{+0.020}$	$\Phi20^{+0.041}_{+0.020}$		
F	31.8 ^{+0.1}	$21.8^{+0.1}_{0}$		

		Material	Line driver output type (8-core twisted pair): 0.2mm ² , AWG24		Insulation resistance	${\geq}50M\Omega$	line and the case
	Cable	Nominal core cross section			Vibration resistance	$10{\sim}55$ Hz with 0.75mm amplitude $$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$	
		External diameter	al diameter Approx. 6mm		Shock resistance		490m/s ² , 11 ms ※3
		Weight	Approx. 1 kg (With 2m cable)		Protection construction	IP4	40: Dust-proof proofed

%1: Two 0.01uF/630V capacitors are each connected between the case and positive pole of power supply, the case and negative pole of power supply. %2: Durable for 1h along 3 axes %3: Applied 3 times 3 axes
Only under test conditions, long-term use can not be guaranteed.

Cautions for use



- Do not wire the cable in parallel with other power lines and do not share a duct with other cables
- Use capacitors or surge absorption elements to remove the sparks caused by relays and switches in the control panel as far as possible.
- Be sure to connect all wires properly, as wrong wiring can damage the internal circuitry.
- Erroneous pulses may be caused at the time of power ON and power OFF. After power ON, wait for at least 0.5 sec. before use.
- Do not disassemble the product. Do not expose the product for a long time to water, even if it is a dust-resistant, jet-proof type. Wipe off any water getting onto the product.
- As the rotary encoder is composed of precision parts, its function will be impaired when it is subjected to shocks. Take sufficient care for handling and mounting.
- Avoid using this product in the following places: the place where there is excessive vibration and shock, the encoder may be damaged; the place where there are devices with strong magnetic and strong electrical interference; the place where there is flammable, corrosive gases, splashing water, oil and dusty; the place where the temperature and humidity exceeds the standard; the place where strong base and strong acid materials nearby; the place where receives direct sunlight.