

产品选型手册

Product selection guide



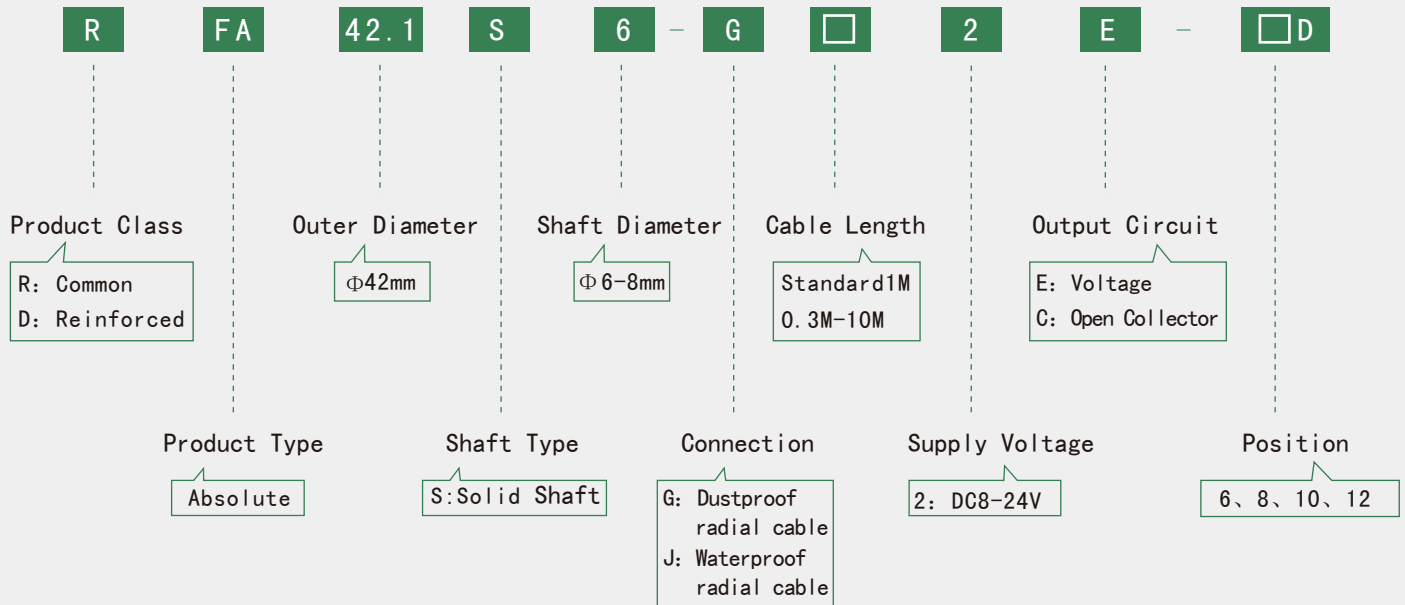
RFA42.1 Series

Applications & Features



- This absolute photoelectric encoder can measure displacement, and output natural binary code. Which is widely used in automatic measurement and control system.
- Small volume, light weight, resistance to shock and vibration characteristics, strong anti-interference ability etc
- Optoelectronic devices with high reliability, long life, strong anti-interference ability, wide service temperature etc..

Part Number



Technical Parameters

| Item | Parameter | Item | Parameter |
|---------------------------|---|--------------------------|---|
| Supply Voltage | DC8-24V | Output Model | Voltage Output |
| Current requirements | ≤150 m A | Frequency Response | 5 kHz |
| High Level Output Voltage | ≥20 V | Low Level Output Voltage | <0.7 V |
| Output Code | Natural Binary | Max. Slew Speed | 5000 r/min |
| Radial Max. Load | 20 N | Axial Max. Load | 10 N |
| Radial Torque | 1.5 × 10 ⁻³ N·m | Moment of Inertia | 5 × 10 ⁻⁸ kgm ² |
| Operating Temperature | -20°C ~ +85°C | Storage Temperature | -30°C ~ +95°C |
| Vibration Resistance | 98m/s ² , 10 ~ 200Hz 2 hours from XYZ three directions | Impact Resistance | 980m/s ² , 6ms 2 times from XYZ three directions |
| Protection Class | IP52 | Weight | ≈250g |

Output Model

