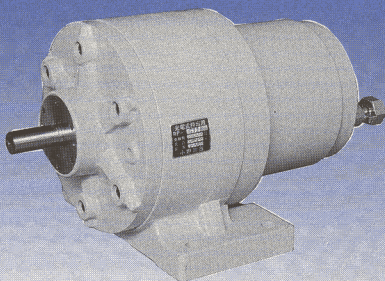


RP-212

Flameproof Type Explosion Protected



- The RP-212 satisfies explosion requirements d2G4, and is a type designed specifically to provide flameproof operation (test certification No. 16292).

Specifications (Items marked * are optional)

Output Waveform	: 2-phase square wave
Output Voltage	: 1: 10V min, 0: 0.5V max
Output Type	: Totem pole output, load resistance 470Ω min. *Open collector 40VDC, 50mA
Signal Accuracy	: Adjacent ±1/200P, Accumulated ±1/5P
Power Supply	: 100VAC ±10%, 50mA (or other specified line power source) or 12VDC ±5%, 150mA
Response Frequency	: 100kHz
Light Source	: LED
Light Receiver	: Phototransistor
Connection Method	: Terminal strip Power Supply: M3 crimp-on terminals (JIS C2805 1.25 to 3) Signals: M4 crimp-on terminal (JIS C2805 2 to 4)
Maximum Speed	: 8000 r/min
Max. Allowable Load	: Radial 150N, Thrust 100N
Starting Torque	: 50mN·m (Oil-seal is provided)
Moment of Inertia	: 1050g·cm ²
Weight	: 17kg
Operating Temperature	: -5°C to +50°C
Storage Temperature	: -20°C to +70°C
Humidity	: 95% (40°C/8h, the rotation shaft is sealed) with no condensation
Standard	: IP-X5 (Jet-proof type)
Vibration	: 98m/s ² (Axial direction for 4h, up/down/left/right for 2h each)
Shock	: 980m/s ² (3 times each in X, Y and Z directions, 98m/s ² in axial direction)

<Note> Do not make modifications to the external appearance or components of this encoder, as this will void any warranty with respect to the pressure/explosion-proof operation.

Standard Number of Output Pulses (P/R)

60, 100, 120, 200, 300, 360, 500, 600, 750, 1000, 1200, 1500, 1800, 2000, 2500, 3000, 3600

Optional Number of Output Pulses (P/R)

150, 240, 256, 314, 400, 512, 720, 900, 1024

Outer Dimensions

