



| | | | | | | |
|----------------|-----|-----|----------|-----|----------|-----|
| ENCODE CONTROL | 1 | 2 | 3 | 4 | 5 | 6 |
| LEAD COLOR | BLK | RED | BLU/ WHT | BLU | ORG/ WHT | ORG |
| DESCRIPTION | GND | VCC | EA- | EA+ | EB- | EB+ |

FULL STEP 2 PHASE-EX. WHEN FACING MOUNTING END (X)

| STEP | A+ | B+ | A- | B- | CCW | CW |
|------|----|----|----|----|-----|----|
| 1 | + | + | - | - | | |
| 2 | - | + | + | - | | |
| 3 | - | - | + | + | | |
| 4 | + | - | - | + | | |

| WINDING | | CONNECTION | |
|-----------------------------|---------|-------------------------|--|
| | | BIPOLAR | |
| PIN NO | BIPOLAR | LEADS | |
| 1 | A+ | BLK | |
| 2 | A- | GRN | |
| 3 | B+ | RED | |
| 4 | B- | BLU | |
| SPECIFICATION | | CONNECTION | |
| AMPS/PHASE | | BIPOLAR | |
| RESISTANCE/PHASE(OHMS)@25°C | | 5.00 | |
| INDUCTANCE/PHASE(mH)@1KHZ | | 0.45±10% | |
| HOLDING TORQUE(Nm)[lb-in] | | 1.80±20% | |
| STEP ANGLE(°) | | 3.00 [26.57] | |
| STEP ACCURACY(NON-ACCUM) | | 1.80 | |
| ROTOR INERTIA(g-cm²) | | ±5.00% | |
| IP RATING | | 690 | |
| AMBIENT TEMPERATURE | | IP65 | |
| INSULATION CLASS | | -10°C~50°C [14°F~122°F] | |
| TEMPERATURE RISE | | B 130°C [266°F] | |
| | | MAX.80°C | |

UNIT mm
GB/T 1804-M EQV. ISO
2768-1 CLASS M:
≤6 ±0.1
>6~30 ±0.2
>30~120 ±0.3
>120~400 ±0.5



OSMTEC®

Stepper Motor Specialists

| | |
|-----------|------|
| mm | |
| UNITS | |
| 2:3 | |
| SCALE | |
| DRN | LDJ |
| APVD | ZPJ |
| SIGNATURE | DATE |

1.13.2026
1.19.2026
STEPPER MOTOR
24E1KIP65-30