

YK600XC

● Arm length 600mm ● Maximum payload 10kg



Ordering method

| | | | | | | | | |
|----------------|--------------------------|---|-------------------|-------------------------------------|--------------------------|--|---|----------------|
| YK600XC | | | RCX240 | | R | | | BB |
| Model | Z axis stroke | Cable length | Controller | Usable for CE | Regenerative unit | Expansion I/O <small>Note 1</small> | Network option | Battery |
| | 200: 200mm 300: 300mm | 3L: 3.5m (Standard) 5L: 5m 10L: 10m | | No entry: Standard E: CE marking | R: RGU-2 | N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72 | No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link <small>Note 2</small> | BB: 4 pcs |

Note 1. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
Note 2. Available only for the master.

Basic specifications

| Axis specifications | Arm length (mm) | X axis | Y axis | Z axis | | R axis |
|---|-----------------|---|--------|---------|-----|----------|
| | | Rotation angle (°) | | | | |
| | | 350 | 250 | 200 | 300 | - |
| | | +/-120 | +/-145 | - | - | +/-360 |
| AC servo motor output (W) | | 400 | 200 | 200 | | 100 |
| Repeatability <small>Note 1</small> (XYZ mm) (R) | | +/-0.02 | | +/-0.01 | | +/-0.005 |
| Maximum speed (XYZ m/sec) (R /sec) | | 5.6 | | 1.7 | | 876 |
| Maximum payload (kg) | | 10 | | | | |
| Standard cycle time with 2kg payload (sec) | | 0.56 | | | | |
| R-axis tolerable moment of inertia <small>Note 2</small> (kgm ²) | | 0.12 | | | | |
| User wiring (sq x wires) | | 0.2 x 20 | | | | |
| User tubing (Outer diameter) | | φ6 x 3 | | | | |
| Travel limit | | 1.Soft limit, 2.Mechanical stopper (X, Y, Z axes) | | | | |
| Robot cable length (m) | | Standard: 3.5 Option: 5, 10 | | | | |
| Weight (kg) | | 33 | | | | |
| Degree of cleanliness | | CLASS 10 <small>Note 3</small> | | | | |
| Intake air (Nl/min) | | 60 <small>Note 4</small> | | | | |

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. There are limits to the setting of the acceleration coefficient.
Note 3. Per 1cf (0.1μm base), when suction blower is used.
Note 4. The necessary intake amount varies depending on the use conditions and environment.

Controller

| Controller | Power capacity (VA) | Operation method |
|------------|---------------------|--|
| RCX240-R | 1500 | Programming / I/O point trace / Remote command / Operation using RS-232C communication |

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