

Yokogawa F3NC34-0N

YOKOGAWA F3NC34-0N Positioning Module

* **No. of axes** : 4

* **Control method** : Open-loop control using position reference pulse output

* **Output pulse type** : RS-422A compliant differential line driver; 5 Mpps for servomotors, 1 Mpps for stepping motors; Pulse type selectable for each axis: CW/CCW pulse, travel/direction pulse, and phase A/phase B pulse

* **Counter No. of channels** : 4

* **Counter input pulse type** : Incremental encoder (phase A/B), absolute encoder; 5 Mpps input pulse rate (after 4x multiplication)

* **External contact input** : 6 inputs per axis (origin, forward limit, reverse limit, driver alarm input, external trigger, general-purpose input); emergency stop

* **External contact output** : 3 outputs per axis (one deviation pulse clear signal and two general-purpose outputs), and 1 SEN signal per axis

* **Units of measurement** : mm, degrees, and pulses

* **Control modes** : Position control, speed control, position-control
\$ \rightarrow \$ speed-control switchover

* **Interpolation modes** : 2-, 3-, and 4-axis linear interpolation; 2-axis circular and helical interpolation

You can contact us through the following contact information

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* **Operation modes***: Pattern operation and direct operation

* **Pattern operation***: PTP movement, CP normal movement, CP pass-by movement, and CP pass-through movement; No. of action pattern records: 2000 max. (500 actions x 4 patterns); No. of position data records: 2000 max per axis

* **Position reference***: Absolute/incremental position reference (-2,147,483,648 to 2,147,483,647 pulses)

* **Speed reference***: 1 to 5,000,000 pps

* **ACC/DCC curve***: Automatic trapezoidal acceleration/deceleration; Automatic S-shape acceleration/deceleration

* **ACC/DCC time***: 0 to 32,767 ms (configurable independently for acceleration and deceleration)

* **Other positioning features***: Change in target position during movement; Change in specified speed during movement

* **Origin search***: Two types of automatic origin search; Manual origin search (any combination of external contact inputs may be used)

* **Manual operation***: Jog operation and manual pulse generator mode

* **Other functions***: Electronic gear, teaching, current position setup, M code output, override, software limit switch, counter coincidence or zone coincidence detection

* **Data backup***: Flash ROM (100,000 times rewritable)

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