

1735-29

| - For CAD data, see the MISUMI website. |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Part Number |  | Lead (mm) |  | Motor | Cable | Mechanical Standards |  |  | Accuracy Standards |  |  |
| Type | No. |  |  |  |  |  |  | $\underset{(\mathbf{k g})}{\text { Weight }^{2}}$ |  | Pitching | Yawing |
| CVL | 630 | 1 | N(W/o Sensor) <br> 1(CCW Right) <br> 2(CCW Left) <br> 3(Right-center) 4(Left-center) <br> 5(CW Right) <br> 6(CW Left) <br> (P)Limit Sensor is built-in. | C(Standard) <br> F(High Torque) <br> G(High Resolution) <br> MA ${ }^{-1}$ (With Electromagnetic <br> Brake) <br> PA ${ }^{41}$ ( $a$-Step) <br> U'$^{+1}$ (Servo Motor) | N(Cable not included (separately sold)) $\mathrm{M}^{-1}$ (For Motor with <br> Electromagnetic Brake) P(For $\alpha$-Step) U(For Servo Motor) - For combination of see the table below. | 60×60 | 30 | $\begin{array}{\|l\|} \hline \text { ZCVL:2.0 } \\ \text { ZCVLC:2.1 } \end{array}$ | 5um | $20^{\prime \prime}$ | 15" |
| (w/o Cover) ZCVLC | 650 |  |  |  |  |  | 50 | $\begin{array}{\|l\|} \hline \text { ZCVLL2.1 } \\ \text { ZCVLC:2.2 } \end{array}$ |  |  |  |
| (with Cover) | 675 |  |  |  |  |  | 75 | ZCVL-2.3. ZCVL: 2.3 | $7 \mu m$ |  |  |



(TThe above is the connector pin configuraion / wiring diagram for $C, F, F$. For comnector pin configuration / wiring for
Electrical

| Motor |  | c | F | G | MA | PA | $u$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Standard | High Torque | High Resolution | With Eectromganeicic raike | Stepping-out Prevention | High Speed |
| Motor | Type | 5-Phase Stepping Motor 0.75APhase |  |  |  | ${ }^{\text {a -Step Motor }}$ | AC Servo Motor |
|  | Step Angle | $0.72^{\circ}$ | $0.72^{\circ}$ | $0.36^{\circ}$ | $0.72^{\circ}$ | (When 10000/R/R is set) | 18-bit Encoder $(262144 \mathrm{P} / \mathrm{R})$ |
| Connector | Applicable Receptacle Connecto | HR10A-10P-12S (73) (Hirose Electric Co., LTD.) |  |  | 5559-06R-210 <br> (Molex Japan LLC) | ${ }^{43320-1000}$ (Molex Japan LLC) |  |
|  |  |  |  |  | Encoder: 1674320-1 (Tyco Electronics Japan G.K.) |  |
| Sensor | Limit Sensor | Provided |  |  |  |  |  |
|  | Home Sensor | Not Provided by standard Photomicrosensor PM-L25 (Panasonicic Iduustrial Devices SUNX CO. LLta) is available as the option.) |  |  |  |  |  |
|  | Near Home Sensor |  |  |  |  |  |  |
|  | Power Supply Votage | DC5-24V $\pm 10 \%$ |  |  |  |  |  |
|  | Curent Consumption | 45mA or eless (15mA or less per sensor) |  |  |  |  |  |
|  | Control Output | NPN Open Collector Output DC3OV or less, 50 mA or less <br> Residual Voltage 2 V or less (when load current is 50 mA ) Residual Voltage 1 V or less (when load current is 16 mA ) |  |  |  |  |  |
|  | Output Logic | Detecting (Dark) Output Transistor OfF (Non-Conducting) |  |  |  |  |  |

(9Sensors with Part Number PM- $\square 24$ are to be discontinued and replaced by next-generation productict with Part Number PM- $\square 25$ from April 2017


Wnit: mm) CW Direction- $\quad$ ccw Direction




