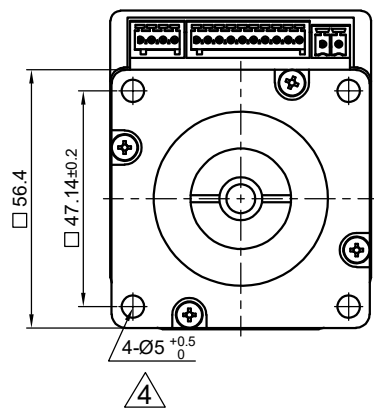
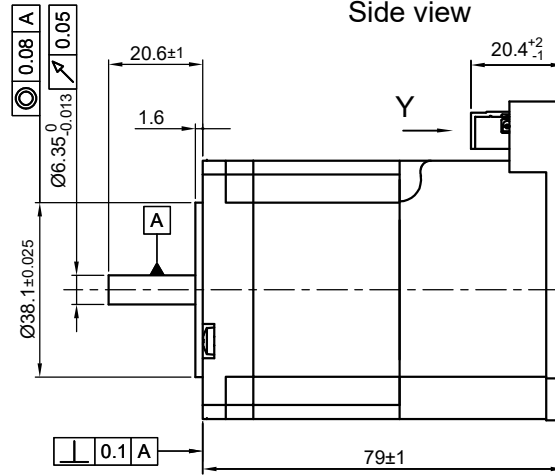


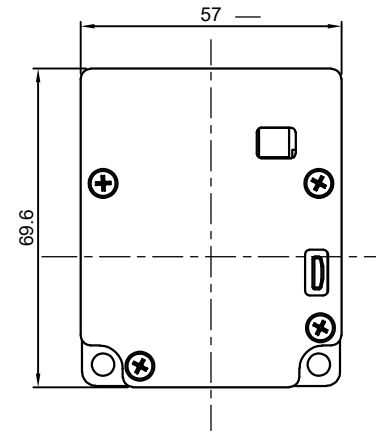
Front view and mounting



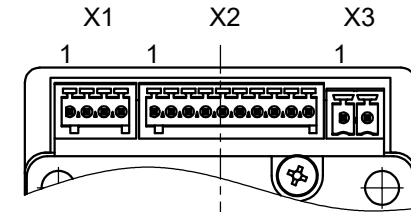
Side view



Rear view



Y view



| CONNECTION    |  | SPECIFICATION |  | BIPOLAR                     |  | PERMISSIBLE RADIAL+AXIAL FORCE |  |                         |  | X1, Phoenix MCV-04 |  | X2, Phoenix MCV-10 |  |                                  |  |         |  |                    |  |
|---------------|--|---------------|--|-----------------------------|--|--------------------------------|--|-------------------------|--|--------------------|--|--------------------|--|----------------------------------|--|---------|--|--------------------|--|
| VOLTAGE (VDC) |  | AMPS/PHASE(A) |  | HOLDING TORQUE (Nm) [lb-in] |  | DETENT TORQUE (Nm) [lb-in]     |  | STEP ANGLE (°)±ACCURACY |  | WEIGHT (Kg) [lb]   |  | PIN No.            |  | Function                         |  | PIN No. |  | Function           |  |
| 12 TO 48      |  | 4.2           |  | 1.24 [10.98]                |  | 0.04 [0.354]                   |  | 1.8±5% TO MICROSTEP     |  | 0.91 [2.01]        |  | 1                  |  | GND                              |  | 1       |  | Input1 (+24V)      |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  | 2                  |  | Analog Input(0-10V)              |  | 2       |  | Input2 (+24V)      |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  | 3                  |  | Output (open drain)              |  | 3       |  | Input3 (+24V)      |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  | 4                  |  | +12V (Voltage Output, max.100mA) |  | 4       |  | -Enable +5/+24V    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 5       |  | Enable +5/+24V     |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 6       |  | -Direction +5/+24V |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 7       |  | Direction +5/+24V  |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 8       |  | -Clock +5/+24V     |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 9       |  | Clock +5/+24V      |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  | 10      |  | GND                |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |
|               |  |               |  |                             |  |                                |  |                         |  |                    |  |                    |  |                                  |  |         |  |                    |  |