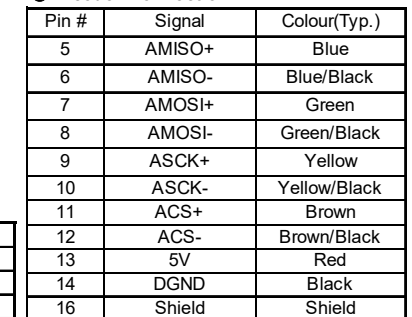
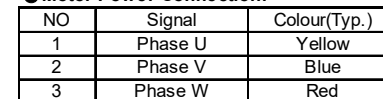


|    |                                          |                                                                    |                |
|----|------------------------------------------|--------------------------------------------------------------------|----------------|
| 1  | Typical Supply Voltages                  |                                                                    |                |
| 2  | Basic DC Bus Voltage                     | V (DC)                                                             | 48             |
| 3  | Rated Output Power                       | Watts                                                              | 750            |
| 4  | Rated Speed                              | rpm                                                                | 2000           |
| 5  | Max. Mechanical Speed                    | rpm                                                                | 2300           |
| 6  | Rated Torque                             | Nm                                                                 | 3.6            |
| 7  | Continuous Stall Torque                  | Nm                                                                 | 3.6            |
| 8  | Peak Torque                              | Nm                                                                 | 7.2            |
| 9  | Rated Current                            | A (rms)                                                            | 16.1           |
| 10 | Continuous Stall Current                 | A (rms)                                                            | 16.1           |
| 11 | Peak Current                             | A (rms)                                                            | 32.7           |
| 12 | Voltage Constant $\pm 10\%$              | V(rms)/K rpm                                                       | 14.1           |
| 13 | Torque Constant $\pm 10\%$               | Nm/A(rms)                                                          | 0.223          |
| 14 | Winding Resistance(Line-Line) $\pm 10\%$ | Ohm<br>@20°C                                                       | 0.13           |
| 15 | Winding Inductance(Line-Line) $\pm 20\%$ | mH (typ.)                                                          | 0.55           |
| 16 | Inertia -(with encoder)                  | kg m <sup>2</sup>                                                  | 0.00016        |
| 17 | Thermal Resistance(mounted)              | °C / W                                                             | 0.83           |
| 18 | Thermal Time Constant                    | Minutes                                                            | 32             |
| 19 | Heat Sink Size(Aluminum)                 | mm                                                                 | 300×300×12     |
| 20 | Shaft Load - Axial                       | N (max.)                                                           | 91N/20.4Lbf    |
| 21 | Shaft Load - Radial(End of Shaft)        | N (max.)                                                           | 455N/102.1Lbf  |
| 22 | Weight                                   | kg                                                                 | 8.4kg / 8.8 Lb |
| 23 | Approvals                                | CE, RoHS                                                           |                |
| 24 | Encoder                                  | MOONS' Encoder                                                     |                |
| 25 | Insulation Class                         | F (155°C)                                                          |                |
| 26 | IP rating                                | IP54 (except shaft through hole and cable end connetor)            |                |
| 27 | Installation Location                    | Indoors, free from direct sunlight, corrosive gas, inflammable gas |                |
| 28 | Ambient Temperature                      | Operating 0 to 40°C, Storage -20 to 80 °C                          |                |
| 29 | Ambient Humidity (max.)                  | 85% (free from condensing)                                         |                |
| 30 | Altitude (max.)                          | 1000 m                                                             |                |
| 31 | Vibration Resistance                     | 49 m/s <sup>2</sup>                                                |                |
| 32 | Rotor Poles                              | 10                                                                 |                |

|                   |         |                      |          |
|-------------------|---------|----------------------|----------|
| Ratio i           | 10      | Shaft Load-Axial     | 910N     |
| Rated Torque      | 90Nm    | Noise                | 60db     |
| Peak Torque       | 180Nm   | IP rating            | IP54     |
| Input Speed       | 2000rpm | L10 Life             | 200000h  |
| Max Input Speed   | 6000rpm | Full Load Efficiency | 97%      |
| Shaft Load-Radial | 4550N   | Return Clearance     | 15arcmin |



|             |                                                                                       |     |                                                                                       |    |               |                       |                 |      |       |            |
|-------------|---------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|----|---------------|-----------------------|-----------------|------|-------|------------|
| 允许的公差值范围    |                                                                                       |     |                                                                                       |    |               | MSD160-10-075-20GSL-N | 4611170005802   |      |       |            |
| 小 数: MM     |                                                                                       | A1  |  | 3  | AECO23-2265PM |                       |                 |      |       | 2023.12.26 |
| X.XXX=±0.01 |                                                                                       | A0  |  |    | 首次归档          |                       | 2023.10.31      |      |       |            |
| X.XX =±0.10 |                                                                                       | 版本  | 标记                                                                                    | 数量 | 更改单号          |                       | 日期              | 出图阶段 | 质量    | 比例         |
| X.X =±0.20  |                                                                                       | 设计  | 杨成坤                                                                                   |    |               |                       | 工艺              | D    |       | 1:2        |
|             |                                                                                       | 标准化 |                                                                                       |    |               | 审核                    | 第 1 张           |      | 共 1 张 |            |
| 视 图         |  | 校 核 |                                                                                       |    |               | 批准                    | 上海安浦鸣志自动化设备有限公司 |      |       |            |
|             |                                                                                       | 市场部 |  |    |               | 批准日期                  |                 |      |       |            |

上海安浦鸣志自动化设备有限公司

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