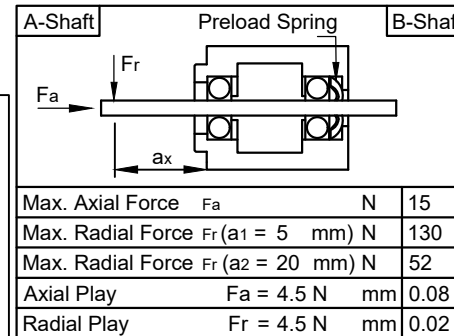
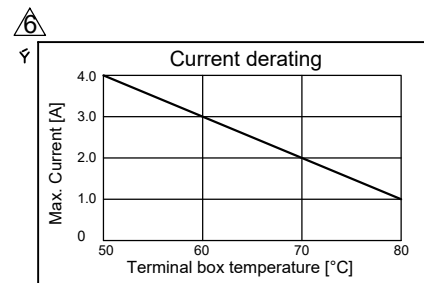


Blue varnish for IP65  $\Delta$   
except for shaft output

$\Delta$  Temperature on marked area must not exceed 80°C.  
From 50°C to 80°C follow derating curve.

| MOTOR SPECIFICATION          |                   |                      |
|------------------------------|-------------------|----------------------|
| Voltage                      | V DC              | 2.12                 |
| Current per Winding          | A                 | 2.83 *               |
| Resistance per Phase (25°C)  | ±15% Ω            | 0.75                 |
| Inductance per Phase (1 kHz) | ±20% mH           | 2.6                  |
| Holding Torque               | Nm                | 0.99                 |
| Step Angle                   | ±5% °             | 1.8                  |
| Rotor Inertia                | kg m <sup>2</sup> | 23 x10 <sup>-6</sup> |

| GENERAL MOTOR SPECIFICATION                                |      |              |
|--|------|--------------|
| Ambient Temperature  | °C   | -10 ... 50 * |
| Max. Temperature Rise (at standstill - 2 phases energized) | °C   | 80 *         |
| Max. Ambient Humidity (non condensing)                     | %    | 85           |
| Insulation Class   |      | B            |
| Insulation Resistance                                      | MΩ   | 100          |
| Dielectric Strength (for 1 min - coil to case)             | V AC | 500          |
| Protection Class   |      | IP65         |



| M12-5 pole Motor |            |
|------------------|------------|
| NO.              | ASSIGNMENT |
| 1                | A\         |
| 2                | A          |
| 3                | B          |
| 4                | B\         |
| 5                | HOUSING    |

CABLE MOTOR:  
ZK-M12-5-2m(5m)  
STRAIGHT OR  
90° ANGLED

| M12-8 pole Motor |               |
|------------------|---------------|
| NO.              | ASSIGNMENT    |
| 1                | A             |
| 2                | A\            |
| 3                | B             |
| 4                | B\            |
| 5                | GND           |
| 6                | I\            |
| 7                | I             |
| 8                | Vcc (5V)      |
| Housing          | GND/Shielding |

CABLE MOTOR:  
ZK-M12-8-2m(5m)  
STRAIGHT OR  
90° ANGLED

| ISO 8015 | ISO 1302               | ISO 2768 cK | ISO 13715  |
|----------|------------------------|-------------|------------|
|          |                        |             | Date       |
|          |                        |             | Name       |
|          |                        |             | Drawn      |
|          |                        |             | 04.12.2017 |
|          |                        |             | Import     |
|          |                        |             | Reviewed   |
|          |                        |             | ---        |
|          |                        |             | Released   |
|          |                        |             | ---        |
| 08       | change tol. diameter 5 | Schneid_A   | 12.07.2022 |
| REV      | Rev. Text              | Name        | Date       |



|                      |         |
|----------------------|---------|
| Weight: ~0.8 kg      |         |
| <b>AS5918S2804-E</b> |         |
| 02000138             |         |
| State: Released      | Rev: 08 |
| CONFIDENTIAL         |         |
| A4 Page 1            |         |