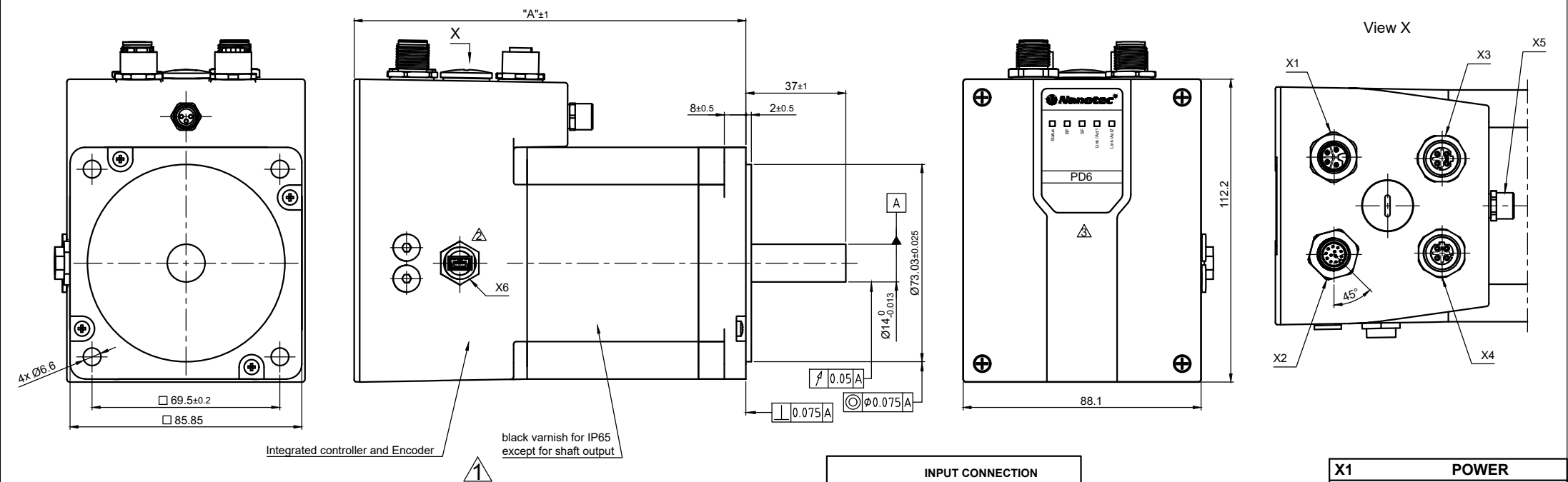
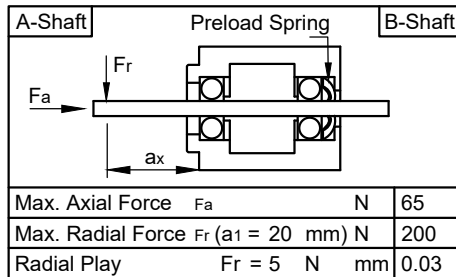
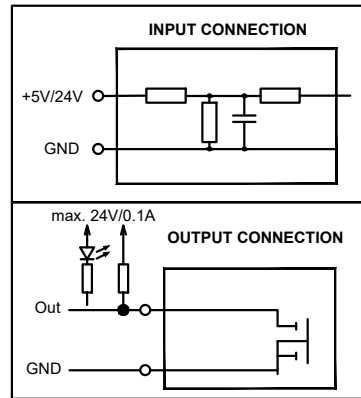




| MOTOR SPECIFICATION           |                   |                       |                       |                       |       |       |
|-------------------------------|-------------------|-----------------------|-----------------------|-----------------------|-------|-------|
| PD6-E891xxx-x-65-10           | S95-M             | S95-E                 | M95-M                 | M95-E                 | L95-M | L95-E |
| Motor Length "A"              | mm                | 112                   | 145                   | 175                   |       |       |
| Min. Operating Voltage        | V DC              |                       | 12                    |                       |       |       |
| Nominal Operating Voltage     | V DC              |                       | 48                    |                       |       |       |
| Max. Operating Voltage        | V DC              |                       | 57.6                  |                       |       |       |
| Current per Winding           | A                 |                       | 9.5                   |                       |       |       |
| Step Angle                    | ±5% °             |                       | 1.8                   |                       |       |       |
| Holding Torque                | Nm                | 3.2                   | 5.94                  | 9.33                  |       |       |
| Rotor Inertia                 | kg m <sup>2</sup> | 100 x10 <sup>-6</sup> | 190 x10 <sup>-6</sup> | 300 x10 <sup>-6</sup> |       |       |
| Multiturn Encoder Resolution  | bit               | 17                    | -                     | 17                    | -     | -     |
| Singleturn Encoder Resolution | bit               | 16                    | 12                    | 16                    | 12    | 12    |
| Weight                        | kg                | ~2.5                  | ~3.7                  | ~5.0                  |       |       |

| GENERAL MOTOR SPECIFICATION            |               |
|----------------------------------------|---------------|
| Interface                              | PROFINET      |
| Ambient Temperature                    | °C -10 ... 40 |
| Switch-off Temperature                 | °C 75         |
| Max. Ambient Humidity (non condensing) | % 85          |
| Protection Class (except shaft outlet) | IP65          |
| Protection Class (shaft outlet)        | IP54          |

| ISO 8015 |                       | ISO 1302  |            | ISO 2768 cK                                                                           |            | ISO 13715 |  |
|----------|-----------------------|-----------|------------|---------------------------------------------------------------------------------------|------------|-----------|--|
|          |                       |           |            |                                                                                       | Date       | Name      |  |
| 03       | INFO Label            | Schneid_A | 12.10.2022 | Drawn                                                                                 | 15.06.2022 | Schneid_A |  |
| 02       | change length S Motor | Schneid_A | 31.08.2022 | Reviewed                                                                              | 02.08.2022 | Rehse_P   |  |
| 01       | added remarks         | Rehse_P   | 17.08.2022 | Released                                                                              | 02.08.2022 | Rehse_P   |  |
| REV      | Rev. Text             | Name      | Date       |  |            |           |  |



| X3 PROFINET IN                  |           |
|---------------------------------|-----------|
| M12/ 4-Pole / D-Coding / female |           |
| X4 PROFINET OUT                 |           |
| M12/ 4-Pole / D-Coding / female |           |
| Pin No.                         | Function  |
| 1                               | TD+       |
| 2                               | RD+       |
| 3                               | TD-       |
| 4                               | RD-       |
| X5 Brake OUT                    |           |
| M8/ 3-Pole / A-Coding / female  |           |
| PIN No.                         | Function  |
| 1                               | Brake     |
| 3                               | Brake GND |
| 4                               | N.C.      |
| X6 Mini-USB                     |           |

| X1 POWER                        |                                 |
|---------------------------------|---------------------------------|
| M12 / 4-Pole / L-Coding / male  |                                 |
| Pin No.                         | Function                        |
| 1                               | +UB                             |
| 2                               | +UB                             |
| 3                               | GND                             |
| 4                               | GND                             |
| X2 IO                           |                                 |
| M12 / 12-Pole / A-Coding / male |                                 |
| Pin No.                         | Function                        |
| 1                               | GND                             |
| 2                               | Input 1 (+5V/+24V)              |
| 3                               | Input 2 (+5V/+24V)              |
| 4                               | Input 3 (+5V/+24V)              |
| 5                               | Input 4 (+5V/+24V)              |
| 6                               | Input 5 (+5V/+24V)              |
| 7                               | Input 6 (+5V/+24V)              |
| 8                               | Analog Input (0-10V/0-20mA)     |
| 9                               | Output 1 (open drain)           |
| 10                              | Output 2 (open drain)           |
| 11                              | +5V Voltage Supply (max. 100mA) |
| 12                              | +UB Logic (24V)                 |

| PD6-E891x95-x-65-10-CYL |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
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| State: Released         | Rev: 03                                                                               |
| CONFIDENTIAL            |  |