LAM Technologies
electronic equipment

DMS7xPx3

Available in 4 different sizes with torque from 4.4Nm up to **12.1Nm**, the **DMS7xPx3** integrated motors are characterized by compact dimensions and a rich set of features.

They can operate in **position, velocity and torque control**, integrate over 30 different homing modes and have digital and analog I/O for the connection of local sensors such as limit switches, **touchprobe**, etc.

The **PROFINET** bus achieves the maximum performance thanks to the support of the **Isochronous real-time (IRT)** mode which also allows to realize application with interpolated axes.

The DMS7xPx3 integrated motors are supplied with **GSDML** file and perfectly integrate with the **SIEMENS STEP 7 TIA Portal** development environment.

The fully digital realization and the vector control of the motor ensure high performances and efficiency.

PROFINET

The flange is standard **NEMA34** and models with integrated **Encoder** and closed-loop motor control are also available. The reliability of the connections is ensured by **M12** industrial connectors.

The power supply can be provided in both **DC** and **AC** and can also be removed to secure the application while still leaving the bus active through the auxiliary power supply.

Family Development

Power Supply / Motor Torque 24Vdc Auxiliary Power Supply	3 Digital Inputs 3 Digital Inputs/Outputs 2 Analog Inputs	3 Digital Inputs 3 Digital Inputs/Outputs 2 Analog Inputs **Closed loop incremental Encoder**
20..50Vdc (16..36Vac) / 4.4Nm	**DMS71P4321(A)**	**DMS72P4321(A)**
20..50Vdc (16..36Vac) / 6.8Nm	**DMS71P4331(A)**	**DMS72P4331(A)**
20..50Vdc (16..36Vac) / 9.2Nm	**DMS71P4350(A)**	**DMS72P4350(A)**
20..50Vdc (16..36Vac) / 12.1Nm	**DMS71P4360(A)**	**DMS72P4360(A)**
24..90Vdc (20..65Vac) / 4.4Nm	**DMS71P7321(A)**	**DMS72P7321(A)**
24..90Vdc (20..65Vac) / 6.8Nm	**DMS71P7331(A)**	**DMS72P7331(A)**
24..90Vdc (20..65Vac) / 9.2Nm	**DMS71P7350(A)**	**DMS72P7350(A)**
24..90Vdc (20..65Vac) / 12.1Nm	**DMS71P7360(A)**	**DMS72P7360(A)**

*The **A** suffix (for ex. DMS72P4331**A**) identifies the AC versions*

The setting and diagnostics are possible with the use of the free **Omni Automation IDE** commissioning software.

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LAM Technologies

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rev. 0.02

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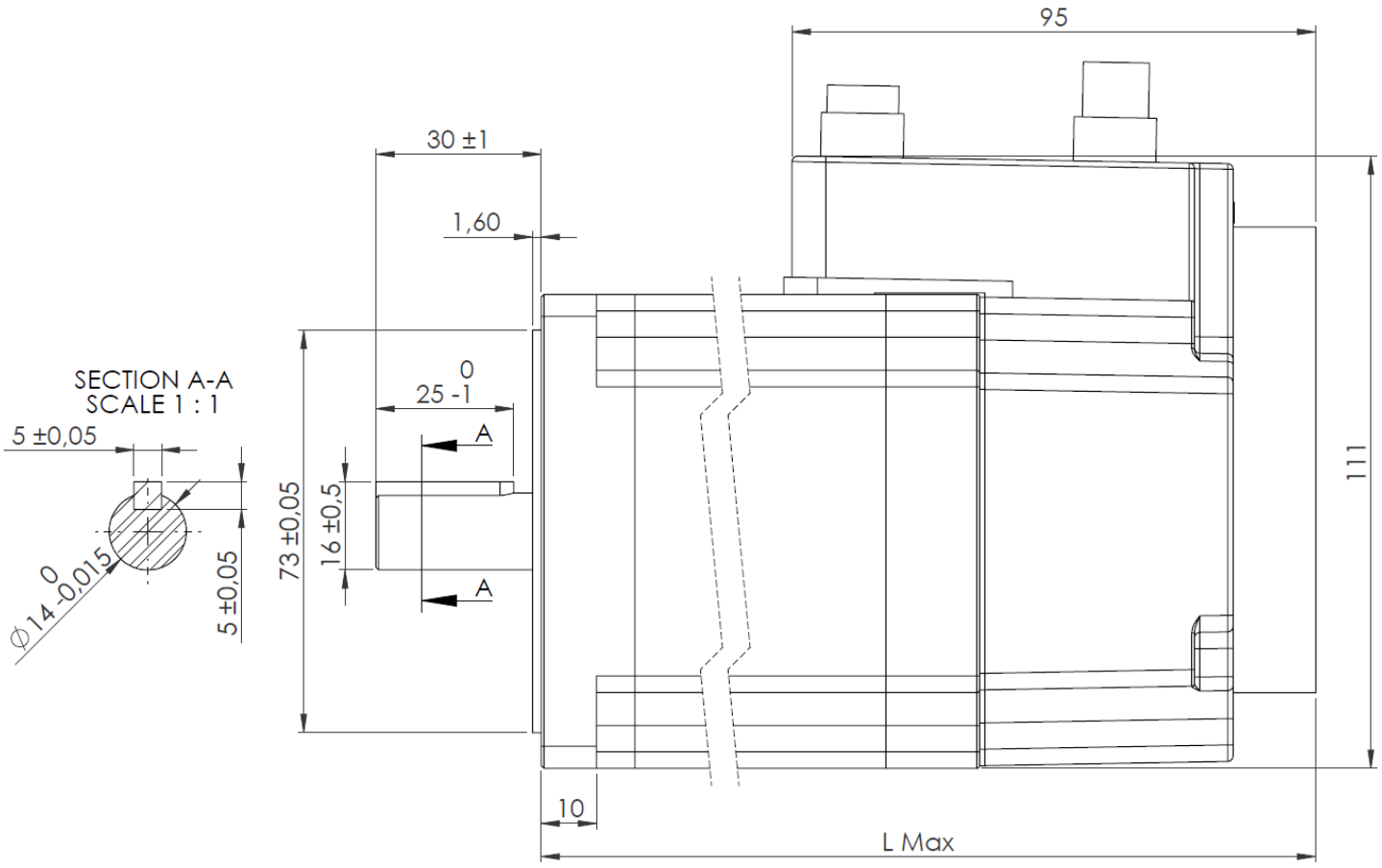
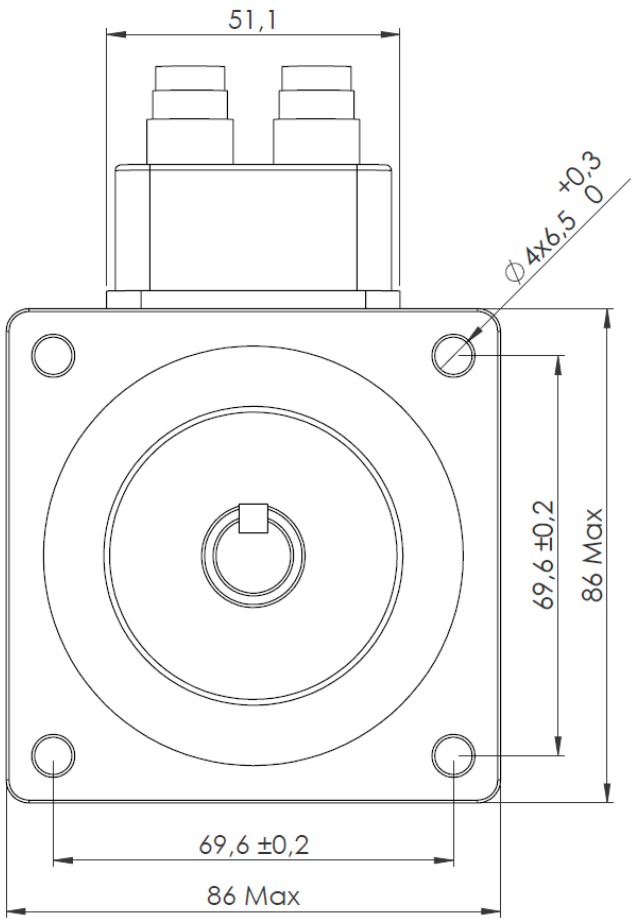
Model	L Max (mm)
DMS7xPx321x	141
DMS7xPx331x	161
DMS7xPx350x	189
DMS7xPx360x	213