Online documentation repository



Welcome to the **NILAB Knowledgebase** — the central online documentation repository for all NILAB products. This knowledgebase is designed to give you quick, reliable access to everything you need to know about our products, from the first idea to the final commissioning on the shop floor.

Start with your task

Your task	Where to go
Design a machine with linear axes	Linear axes selection — compare and choose the axis family
Replace a pneumatic cylinder with an electric actuator	Pneumatic to Electric guide
Find a NILAB motor to replace a competitor	Competitor Cross-Reference Tool
Size a linear motor	Motor sizing
Understand how a tubular linear motor works	How a tubular linear motor works
Get the technical data of a product	Product index — grouped by category

What you will find here

This repository brings together a wealth of information in one place, so that you no longer have to search through scattered files and printed brochures:

Content	Description
Technical manuals	Detailed operating, installation and maintenance instructions for every product
Configuration guides	Step-by-step procedures for commissioning and parameter setting
Datasheets and technical data	Product specifications, performance data and dimensional details

Application notes	Practical guidance and worked examples for typical applications
Demo materials	Ready-to-use examples, firmware files and project templates
Safety documentation	Safety instructions, warnings and compliance information

The documentation is organized by product family and application area, which makes it easy to navigate quickly to the exact information you require. Every page is kept up to date with the latest product developments, and new material is added continuously. The repository is maintained with the same care and attention to detail that we apply to our products themselves.

How to use this repository

Start from the product family you are interested in, then use the search function or the navigation links to drill down to the specific topic. If you are unsure where to begin, the most frequently used search terms are listed below to help you get started quickly. You can also contact our technical support team for personal assistance; we are happy to point you to the right document or to explain a topic in more detail.

We invite you to explore our documentation thoroughly and to use this knowledgebase as your first reference point for any technical requirement. Should you not find the answer you are looking for, please do not hesitate to ask — our support team is ready to help. We are committed to making your experience with NILAB products as smooth and productive as possible, and we continuously expand and refine this repository so that it remains a reliable, up-to-date source of knowledge.

Technical Support Team
NILAB GmbH

Most used search word

alimentazione antrieb application available azionamento canopen configuration configurazione connection connector control controller controllo corrente current datasheet digital dokuwiki download encoder esempio ethercat example feedback fieldbus firmware installation integrated integrato ironcore lineare lineari machine movimento parameter parameters parametri position posizione riferimento segnale software standard starter technical tubular velocità verweisen verwenden verwendet

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