

Produkt



No. 1 Position:

✓ .

Features

Further Features:

- ✓ +15 % higher nominal force towards the predecessor version, this means more powerful motors in the same installation space
- ✓ No more hall encoder sensors => less cables per cable set
- ✓ Absolute encoder measurement system
- ✓ No mechanical play between the drive elements. Therefore high-precision positioning is possible
- ✓ Many different variants (long slides, mechanically supported version) are available for the optimum axis for each application
- ✓ More compact and lighter short stroke module for low payloads, which have to be very dynamically positioned
- ✓ On request, with parking break for applications as a Z-axis

Market and Competitors

Main Competitors

- ✓ Afag
- ✓ Isel
- ✓ Hiwin
- ✓ IDAM

Advantages towards competition:

- ✓ Larger product portfolio

Economy/Customer Benefits

- ✓ New! With absolute encoder => Therefore no more reference runs are necessary (time saving when starting up the plant, or in emergency stop situations)
- ✓ Due to the absolute encoder, commutation is only necessary during commissioning. Then the parameter keeps stored in the controller (time saving when starting up the plant, or in emergency stop situations)
- ✓ Due to the absolute encoder, no more end or reference sensors have to be used. More favorable, and less programming efforts
- ✓ High dynamics for shorter cycle times and a higher productivity
- ✓ Hardly no wear parts => higher lifetimes
- ✓ Due to a higher repeat accuracy, joining and placing processes can be carried out at a higher process reliability
- ✓ Higher working speeds lead to lower cycle times. More cycle times per time unit lead to more produced products per time unit.
- ✓ Higher nominal force than the predecessor for example higher masses in case of vertical applications. Therefore smaller linear modules can be used.

Questions about the product? Your Contact Person of the Product Management Automation is J. Khoury (+49 - 7133 - 103 - 2667)

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Technical Data/Functions

Basic technical Data:

- ✓ Max. nominal stroke: 400 mm
- ✓ Max. drive force: 250 N
- ✓ Nominal force: 90 N
- ✓ Repeat accuracy: 0,01 mm
- ✓ Max. acceleration: 40 m/s²
- ✓ Max. speed: 4 m/s²

Complementary Products:

- ✓ ERD (new MRD-S)
- ✓ MPG+
- ✓ PGN+
- ✓ ERS (new STM)

Industries and Applications

Optimal for the use as a Z-axis

Industries

- ✓ Electrical industry
- ✓ Plastic industry
- ✓ Pharmaceutical industry
- ✓ Automotive industry
- ✓ Assembly of consumer goods

Applications

- ✓ Assembly of cannulas
- ✓ Assembly of diesel fuel injections
- ✓ Handling of electronic components at test and machining stations
- ✓ Assembly of disposable razors
- ✓ Production of circuit boards
- ✓ Assembly of "Trodat" stamps
- ✓ Assembly of lipsticks
- ✓ Assembly of toothbrushes

Additional Information

The product will replace the K-profile of the MLD series (background information: The MLD series contained several profile types K-, N-, M-, T- and FU-profile. They were re-worked and are divided into various series LDH, LDK, LDN, LDM, LDT and LDF)

- ✓ +15 % higher nominal force towards the predecessor version, this means more powerful motors in the same installation space. For example higher masses in case of vertical applications. Therefore smaller linear modules can be used than before.
- ✓ No more hall encoder sensors => less cables per cable set
- ✓ Integration of an absolute encoder measurement system

Basically we can advertise with a "new axis generation" here (incl. all the other axes LDH, LDK, LDN, LDM, LDT, LDF).

Cross Section

1. Aluminum profile
2. Steel rail guide
3. Secondary component
4. Primary component
5. End plates
6. Motor plug



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