

# MXL-3M35 | Configuration review

REQUEST WORKSHEET - NOT A RELEASED DATASHEET

Use this sheet to define a quotation and drawing review. Targets and reference names do not establish an approved MXL geometry, measured performance or replacement fit.

## Requested MXL measurement envelope

|                           |                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| Architecture              | Miniature triaxial configuration                                                                                       |
| Measured components       | 3-Axis Force [Fx, Fy, Fz]                                                                                              |
| Force target              | 0.5-50 N                                                                                                               |
| Moment target             | Not measured; check mechanical moment limit                                                                            |
| MXL mounting / dimensions | Drawing review required                                                                                                |
| Calibration and limits    | Actual crosstalk, combined loads, safe/ultimate overload, temperature and environment require model-specific evidence. |

## Configuration-specific review points

- Confirm the exact low-force range against the reference drawing and calibration.
- Review isolation gaps around the live sensing surface; the mounting gap is model-specific.
- For low forces, include cable forces, preload and thermal drift in the uncertainty budget.

## Third-party reference - separate from MXL approval

ME-Messsysteme K3D35 500mN | Official 500 mN variant page; no revision date declared | reviewed 2026-10-31  
diameter 35 x 28 mm for the cited 500 mN reference variant  
Exact resistance, excitation and sensitivity require the ordered-variant datasheet; not assumed from package size  
500 mN is the manufacturer reference variant, not the requested MXL capacity. A compensation matrix can apply; miniature geometry does not establish independent raw outputs.  
[Open primary manufacturer reference](#)

## Application and documentation checklist

Complete the values below, then use the website or email template. A request does not establish document availability, quotation terms or a delivery date.

Force capacities, with units and sign convention

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Moment capacities, with units (if measured)

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Largest simultaneous load / tool offset / stop event

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Mounting footprint, bore and cable clearance

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Original manufacturer, model and drawing revision

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Excitation, bridge resistance, sensitivity and pinout

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DAQ / PLC / PC protocol and useful bandwidth

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Temperature, ingress, cable motion and environment

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Quantity, delivery country and purchasing organization

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### Request the applicable engineering records

- ☐ Approved drawing / STEP CAD and model-specific datasheet
- ☐ Serial calibration record, uncertainty and traceability scope
- ☐ Coordinate definition and applicable decoupling matrix
- ☐ Connector pinout, cable specification and mating parts
- ☐ Supported SDK / driver / sample code versions and release files
- ☐ EtherCAT ESI / PDO mapping if supported by the supplied module
- ☐ Configuration-specific quotation, supply and delivery terms

[Open this model and document request on the website](#)

[Open a model-specific email request template](#)