

MXL-3A120 | 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	Orthogonal three-axis configuration
Measured components	3-Axis Force [Fx, Fy, Fz]
Force target	50 N-5 kN
Moment target	Not measured; mechanical moment limits still apply
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

- Separate the capacity, material and mounting revision: different reference configurations can have different installed heights.
- Request the active-end and fixed-end drawings separately, including thread depth, dowel fits and cable clearance.
- Specify each bridge excitation, input/output resistance and sensitivity; nominal capacity alone does not establish an electrical match.

Third-party reference - separate from MXL approval

Interface 3A120 | 3A v3.4, 2026-10-19, pages 4-5 | reviewed 2026-10-31
120 x 120 x 30 mm body; cited drawing shows 137.5 mm overall with the cable fitting
Input 740 ohm and output 700 ohm per axis; nominal +/-0.5 or +/-1 mV/V by ordered variant; maximum excitation 10 V
The sensitivity depends on the capacity/material variant. Geometry and electrical facts describe Interface only.
[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

Moment capacities, with units (if measured)

Largest simultaneous load / tool offset / stop event

Mounting footprint, bore and cable clearance

Original manufacturer, model and drawing revision

Excitation, bridge resistance, sensitivity and pinout

DAQ / PLC / PC protocol and useful bandwidth

Temperature, ingress, cable motion and environment

Quantity, delivery country and purchasing organization

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](#)