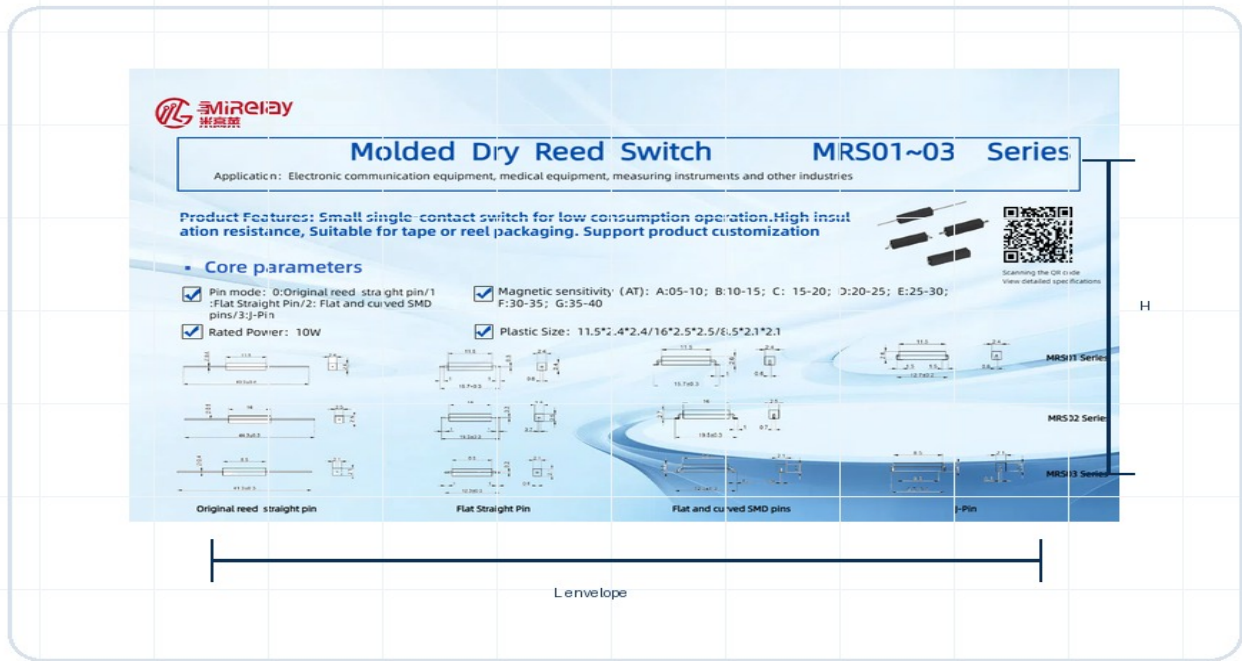


Selection Catalog: Reed Sensors and Float Switches

Selection catalog and package guide for MRS magnetic reed proximity sensors and MLS liquid level sensors.



Reference basis: MiRelay internal product samples, local specification files, product images and public-format review of comparable supplier catalogs such as Pickering, Standex/Meder, Coto, Toward and Littelfuse. Content is rewritten into MiRelay style; exact production ratings and drawings are confirmed by RFQ.

Selection overview

Selection item	What to check
Sensing mode	Magnetic proximity, door/position switch, float level detection
Housing	Molded plastic, brass, threaded, panel mount or cable assembly
Output	Reed switch normally-open / normally-closed behavior and cable termination
Actuation distance	Defined by magnet, mounting gap, housing material and target geometry
Use cases	Door position, cylinder end stop, tank level, security, smart devices

Representative models

Model / series	Selection role
MRS01	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MRS02	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MRS04	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

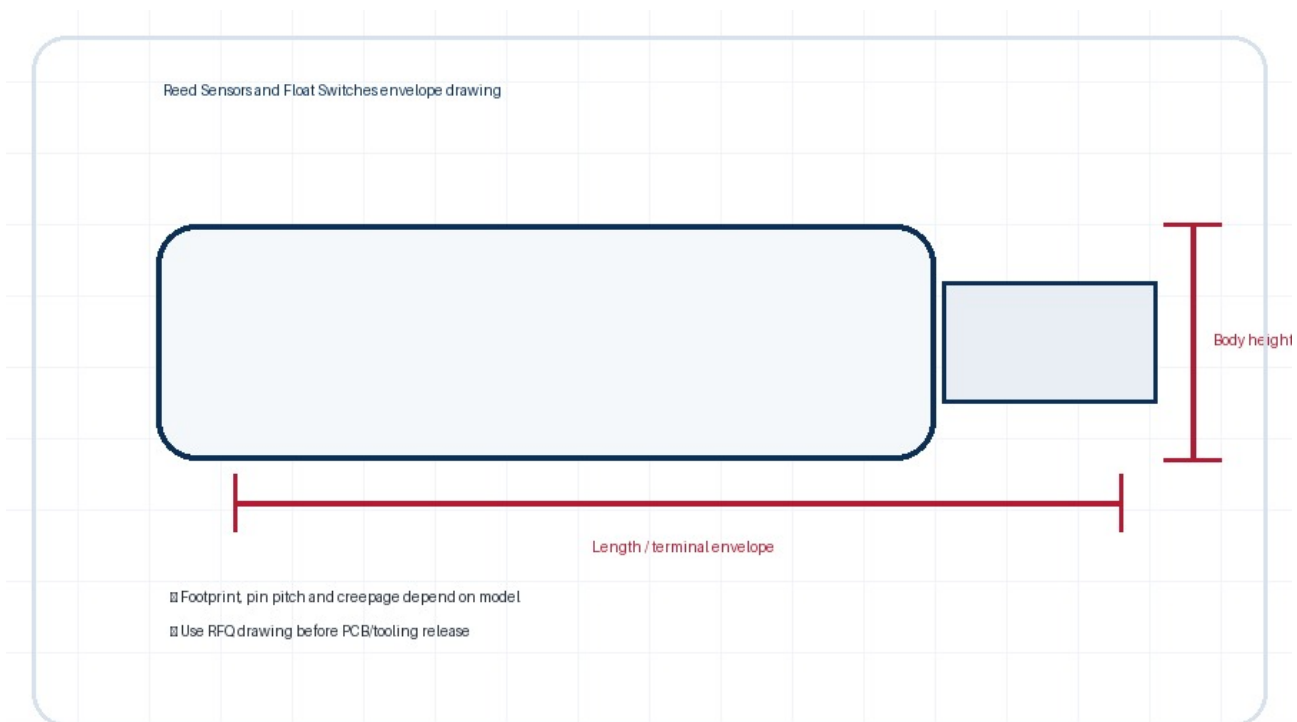
MRS06	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MRS09	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MRS12	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MRS19	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MLS01	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MLS02	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

Ordering code interpretation

Example code: **MRS 06 - A - Cable**

Code block	Meaning
MRS	Magnetic reed sensor family
06	Mechanical package / housing series
A/B	Contact behavior or sensitivity option
Cable / connector	Lead length and connector defined by customer drawing

Dimension and drawing guidance



Sensor length, thread, cable exit and magnet position are application-specific; request drawing for production mounting.

Application fit

Position sensing Access/door monitoring Liquid level detection Industrial automation

RFQ checklist

Send: target model or competitor cross-reference, switching/carry current, voltage, load type, coil/control voltage, contact form/output, mounting limits, environment, sample quantity and annual forecast. Attach PCB/mechanical drawings where available.

Compliance note

For safety-critical, medical, EV, PV or mercury-wetted applications, this guide is not a final approval document. Use the final signed datasheet, drawing and customer validation plan for production release.