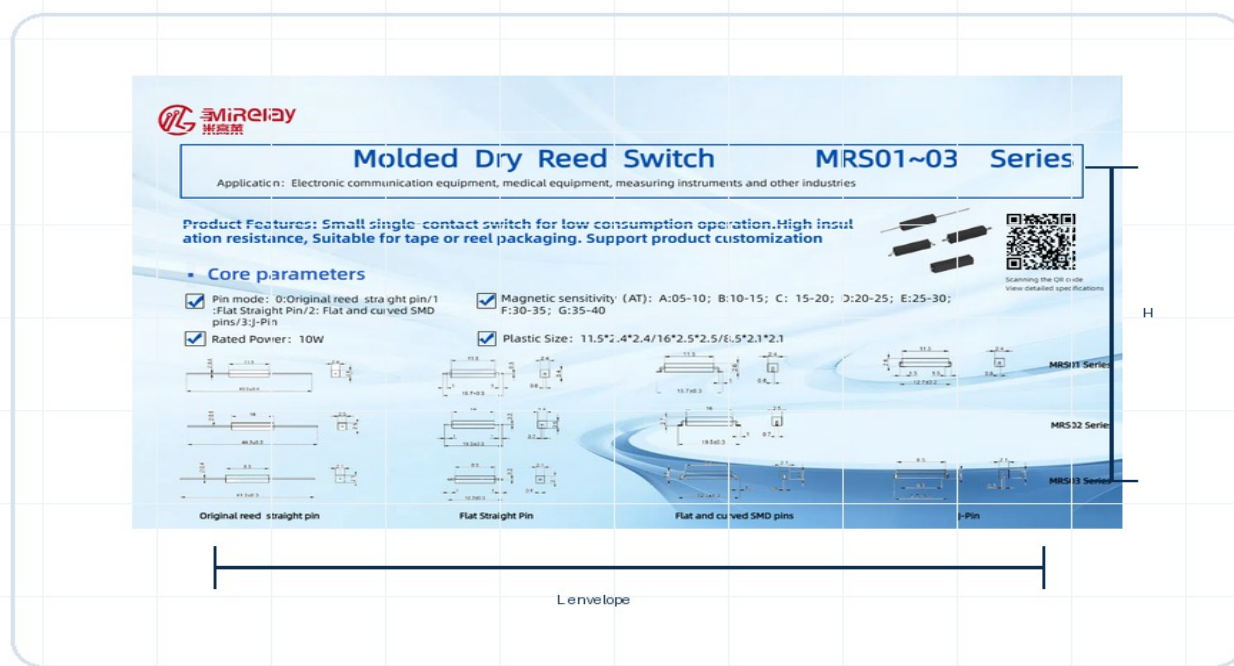


Family Datasheet: Reed Sensors and Float Switches

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. |

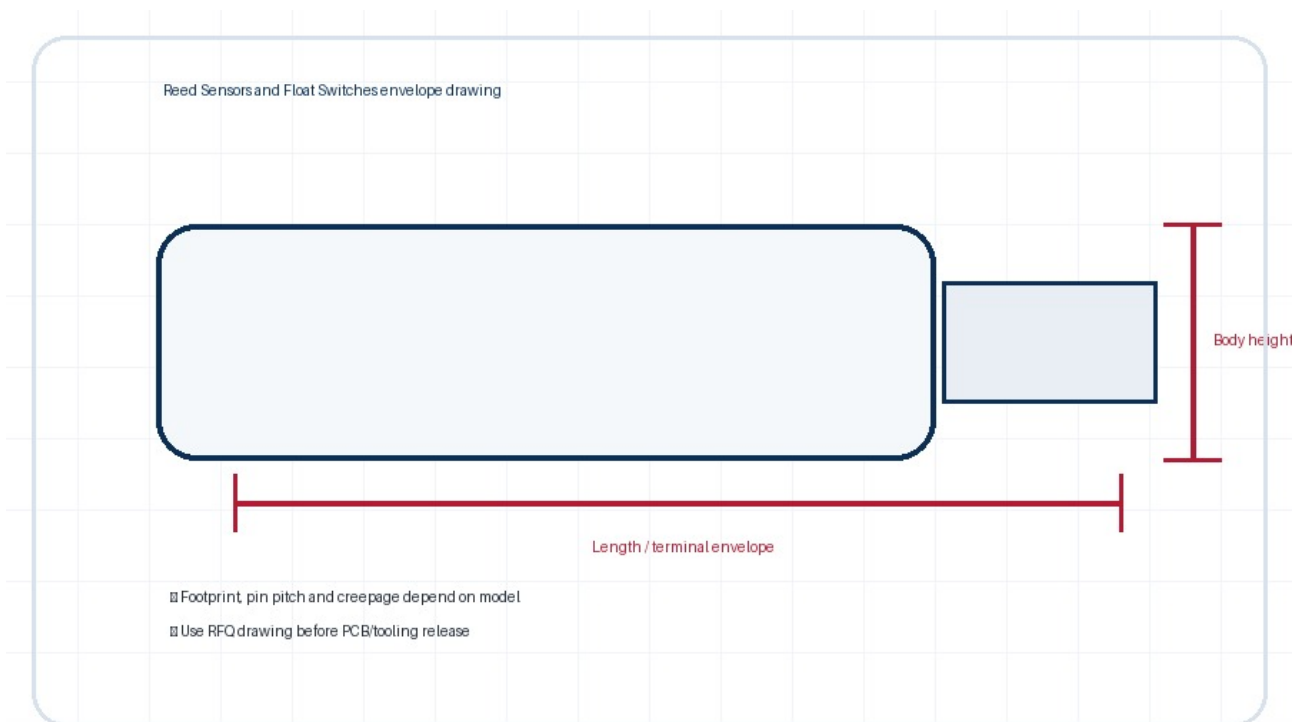
| | |
|-------|---|
| MRS06 | Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering. |
| MRS09 | Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package 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.