

Selection Catalog: Standard and Miniature Reed Relays

Selection catalog and model-code guide for SIP, MSIP, VSIP, DIP, SMD, PB, VN and MVR families.



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
Package density	SIP/MSIP/VSIP for scanner density; DIP/PB where serviceability or spacing matters
Signal level	Low contact resistance and high insulation for analog and instrumentation paths
Contact form	1A normally open, 1B normally closed, 1C changeover where available
Options	Diode, shield, high coil resistance, low thermal EMF, ATE screening
Use cases	ICT, instrumentation, robotics, telecom, security, low-level signal switching

Representative models

Model / series	Selection role
SIP-1A05B	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
SIP-1C12	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
MSIP-1A12B	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

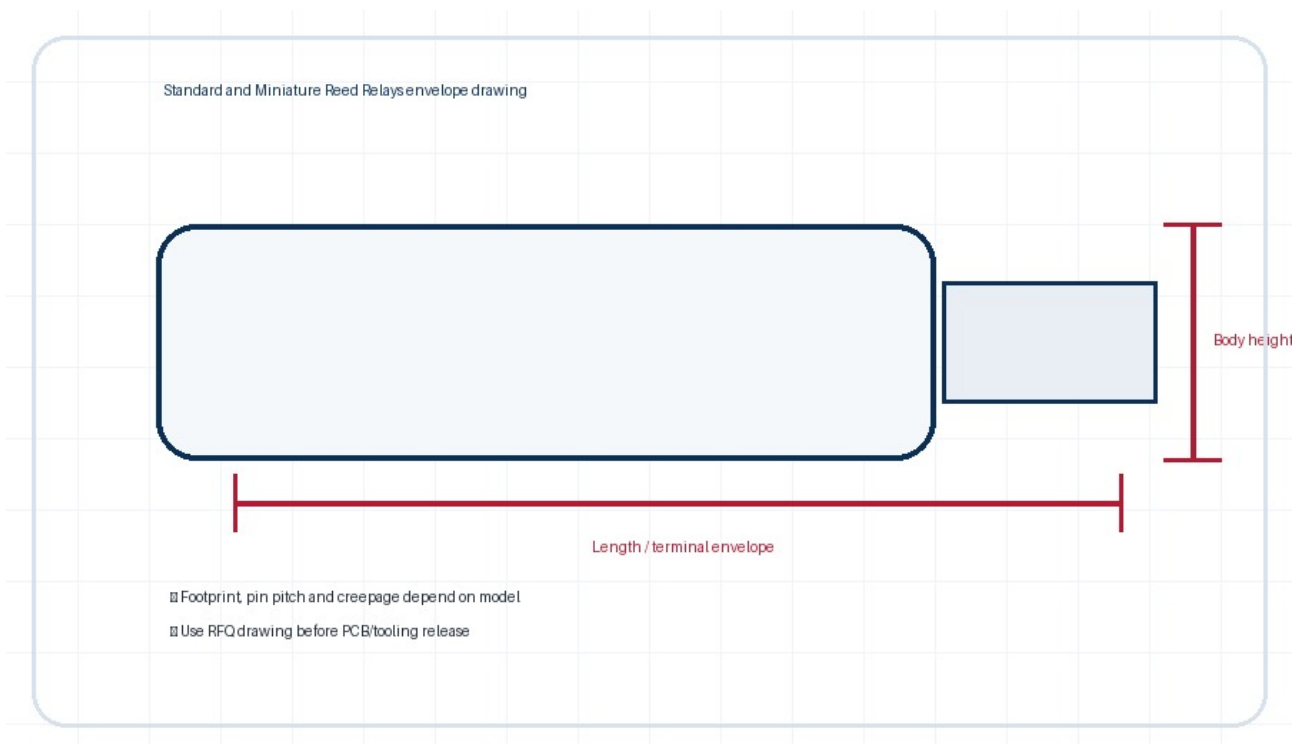
VSIP-1A12-02	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
DIP-1A05	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
SMD relay	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
VN miniature	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
PB reed relay	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

Ordering code interpretation

Example code: **MSIP - 1A - 12 - B - S**

Code block	Meaning
MSIP	Miniature SIP reed relay family
1A	Contact form
12	Coil voltage
B	Reed switch / sensitivity / construction option
S	Shield/diode/screening option if specified

Dimension and drawing guidance



Pitch, pin count and shield pins vary by family; check recommended land pattern before PCB release.

Application fit

ICT/ATE matrices Low-level analog routing Battery-powered instruments Robotics and industrial controllers

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.