

SHV-2A HIGH-VOLTAGE REED RELAYS ENGINEERED FOR ATE



Compact Form 2A Relay for High-Density HV ATE,
Enabling Accurate and Scalable Test Systems

Precision, Performance, and Reliability



KEY FEATURES

- ✓ Dual HV contacts for higher channel density in a unique compact form factor.
- ✓ Up to 3kV handling for demanding HV test conditions.
- ✓ Ultra-high insulation resistance ($IR > 10T\Omega$) to preserve measurement integrity and safety with minimal leakage.
- ✓ Balanced mix of performance, reliability, and global availability.
- ✓ Compact SIL package for dense, multi-channel matrices and long lifecycle operation.

REED TECHNOLOGY IN ATE

- ✓ Compact size
- ✓ Long lifetime 1 billion cycles
- ✓ Low contact resistance
- ✓ High off-state isolation
- ✓ Low leakage currents
- ✓ Low capacitance
- ✓ Low power consumption
- ✓ High reliability
- ✓ Fast switching speed
- ✓ In accordance with IEC 61810
- ✓ RoHS compliant

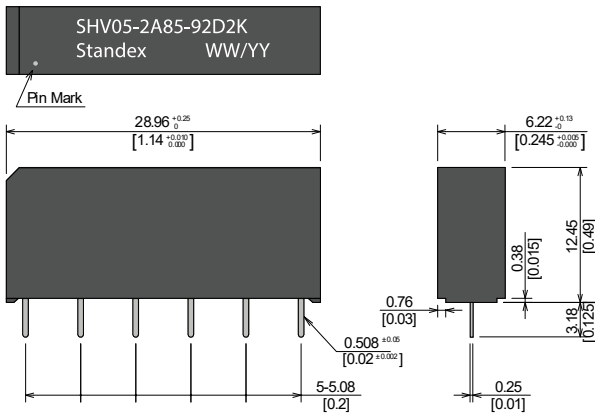
Whether you need standard relays or a fully customized solution,
Standex Detect is ready to partner with you. Let's talk about your needs!

SHV-2A SERIES REED RELAYS

Engineered for ATE

DIMENSIONS mm (inch)

Tolerances acc. to DIN ISO 2768-m



PART DESCRIPTION:

S H V 0 5 - 2 A 8 5 - 9 2 X 2 K

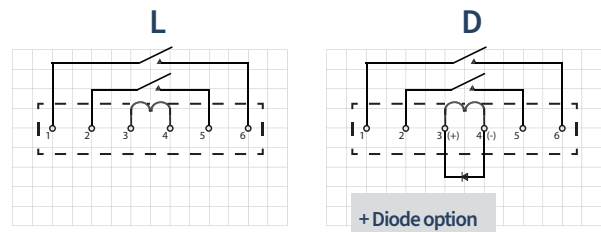
1 2 3 4 5 6

1	Nominal Voltage	05
2	Contact Qty & Form	2A
3	Switch Model	85
4	Pin Out	92
5	Version	L, D
6	Dielectric Strength	2K, (3K option)

- L Standard – no additional option
- D Suppression Diode

PINOUT OPTION (Top View)

*View from top of component 2.54mm [0.10"] pitch grid



COIL DATA @20°C

Contact Form	85
Pin Out:	2A
Coil Voltage Typ. VDC:	92
Coil Voltage Max. VDC:	05
Coil Resistance (± 10 %) Typ. Ohm:	7.5
Pull-In Voltage Max. VDC:	225
Drop-Out Voltage Max. VDC:	3.75
Coil Power Nominal mW:	0.5
Breakdown Voltage Min. kVDC:	111
Insulation Resistance Min. TOhm:	2, 3
Magnetic Shielding:	10
	Yes (internal)

MARKETS & APPLICATIONS:

- ✓ Automated Test Equipment
- ✓ Semiconductor Test
- ✓ Defense / Aerospace
- ✓ Power Electronics
- ✓ Electric Vehicles
- ✓ Medical Test Systems
- ✓ Energy Storage Systems

Please note: All technical specifications on this flyer refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.



PRODUCT PAGE



A Standex **Electronics** Business