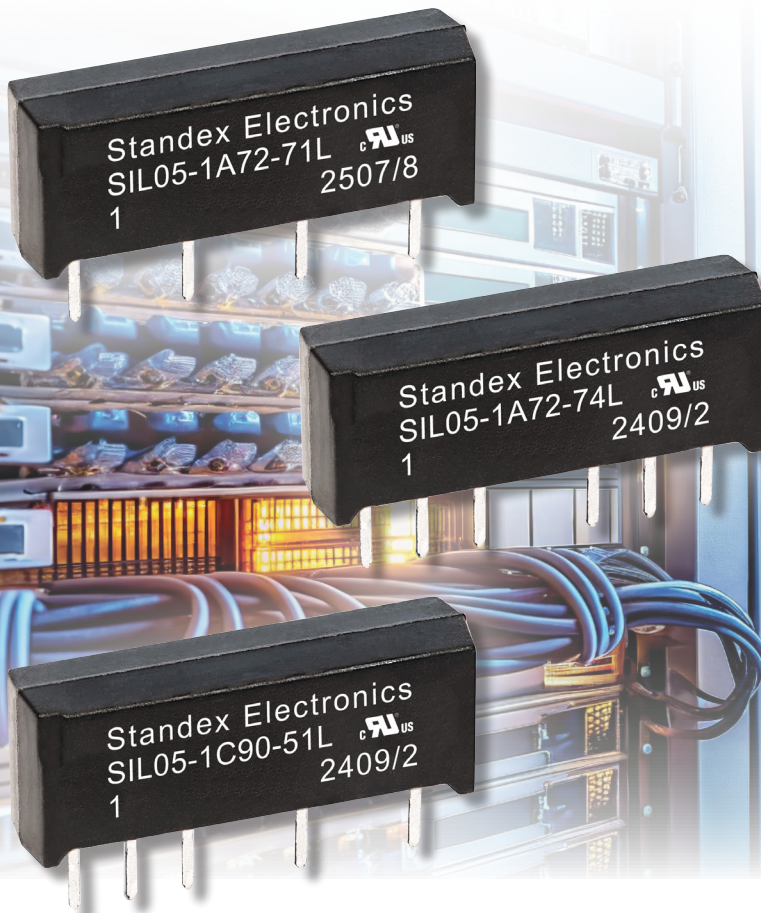


SIL SERIES REED RELAYS

QUALITY & RELIABILITY OPTIMIZED

Reliable and long-lasting reed relay with high quality standard (acc. to IEC61810, UL), and exceptional market availability. Engineered for ATE Solutions.

Precision, Performance, and Reliability



SIL Reed Relay Series

General purpose instrumentation grade SIL Series Reed Relay provides great balance between size, performance, and market availability. SIL relay is supplied in a rugged thermoset overmolded Single In-Line Package and offers long-life and high-quality standard for Test & Measurement applications. Optional suppression diode, magnetic shield or coaxial screen.

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 IEC61810
- UL listed and RoHS compliant

Request a Quote!



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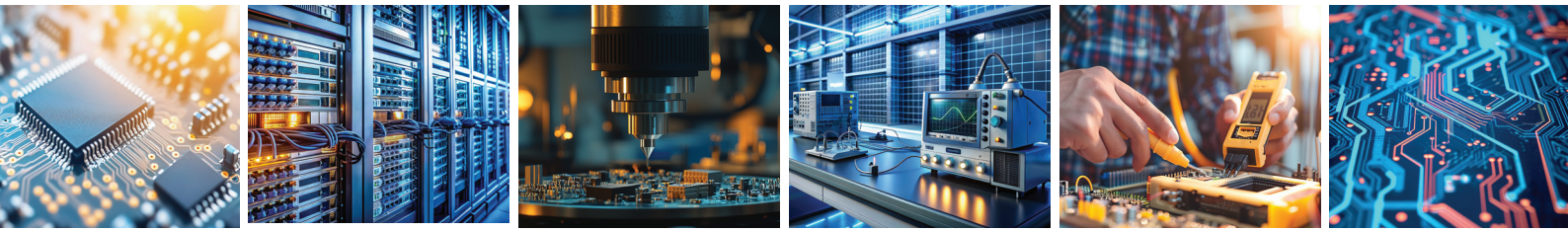
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SIL SERIES REED RELAYS

QUALITY & RELIABILITY OPTIMIZED



SIL SERIES FEATURES:

- High quality Single In-Line Relay in acc. with IEC61810-4
- Dielectric Strength 1.5kVDC
- 10W and 20W, switching voltage up to 500VDC
- Optional: Suppression Diode, Magnetic shield or Coaxial screen
- UL listed, RoHS and REACH conform

Part Description: **SIL00-0X00-00X**

Coil Voltage	Contact Form	Switch Model	Pinout	Option*
03, 05, 12, 24	1A, 1C	72, 75, 90	71, 74, 51	L, M, D, Q (HR = High Resistance Coil)

CONTACT DATA @20°C

SWITCH MODEL

	72 Rhodium	75 Ruthenium	90 Rhodium
Contact Material	Rhodium	Ruthenium	Rhodium
Contact Form	1A	1A	1B, 1C
Rated Power Max. W: Any DC combination of V&A not to exceed max. rated power	10	20	10
Switching Voltage Max. VDC: DC or peak AC	200	500	175
Switching Current Max. A: DC or peak AC	0.5	0.5	0.5
Carry Current Max. A: DC or peak AC	1	1	1
Contact Resistance Max. mOhm @ 0.5V & 10mA, Measured with 40% Pull-In Overdrive	150	150	150
Breakdown Voltage Min. kVDC: According to EN60255-27	0.25	1.5	0.2
Operating Time Max. ms: Including Bounce, Measured w/40% Pull-In Overdrive	0.7	0.7	0.7
Release Time Max. ms: Measured without Coil Suppression	0.05	0.05	4.5
Insulation Resistance Min./Typ. Ohm: Rh<45%, 100V Test Voltage	10 ¹¹	10 ¹¹	10 ¹⁰
Capacitance Typ. pF: @ 10kHz across open Switch	0.3	0.3	1.5

COIL DATA @20°C

	72				72HR		75			90
Coil Voltage Typ VDC:	3	5	12	24	5	12	5	12	24	5
Coil Voltage Max. VDC:	5	7.5	15	30	7.5	15	7.5	15	30	7.5
Coil Resistance Typical (± 10 %) Typ. Ohm:	500	500	1000	2000	1000	2000	200	1000	2000	200
Pull-In Voltage Max. VDC:	2.1	3.5	8.4	16.8	3.8	8.4	3.5	8.4	16.8	3.5
Drop-Out Voltage Min. VDC:	0.45	0.75	1.8	3.6	0.75	1.8	0.75	1.8	3.6	0.75
Coil Power Nominal mW:	18	50	144	288	25	72	125	145	290	125

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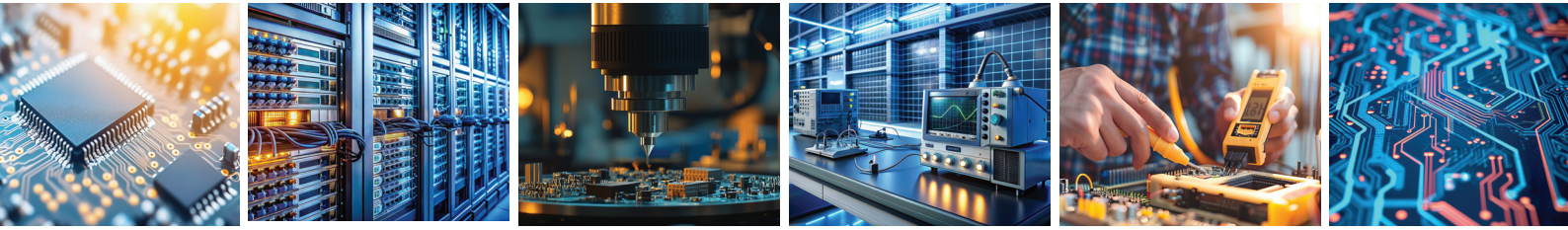
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SIL SERIES REED RELAYS

QUALITY & RELIABILITY OPTIMIZED



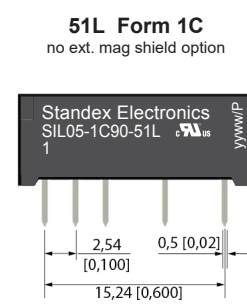
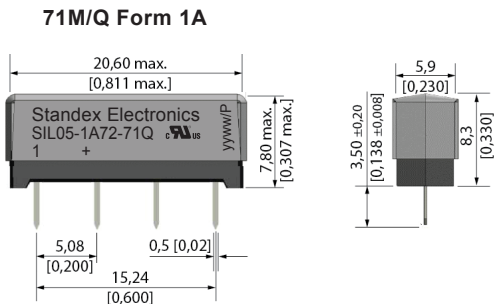
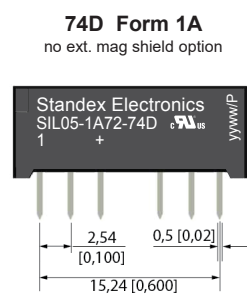
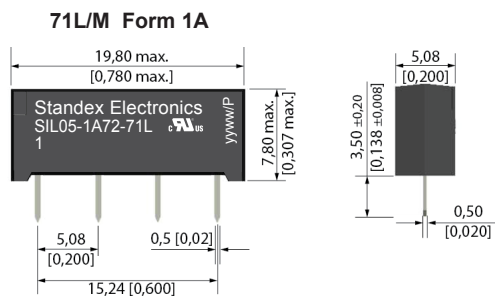
SIL SERIES

PINOUT OPTION (Top View)

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

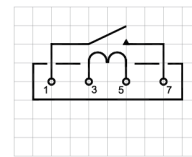
DIMENSIONS MM [INCH]

Tolerances acc. to DIN ISO 2768-m

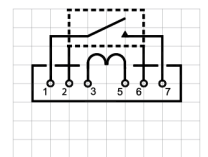


Form 1A

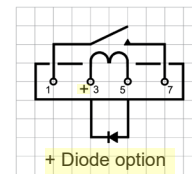
71L / 71M (HR)



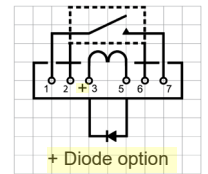
74L



71D / 71Q (HR)

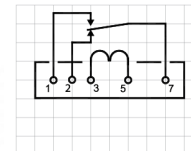


74D

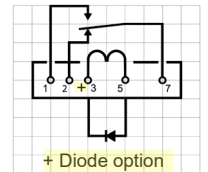


Form 1C

51L Form 1C



51D Form 1C



GLOSSARY RELAY OPTIONS

L	Standard – no additional option
D	Suppression Diode
M	External Magnetic Shield
Q	Suppression Diode with External Magnetic Shield
HR	High Resistance Coil

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



MARKETS: Automated Test Equipment // General Purpose // Telecommunications // Security & Others
APPLICATIONS: ICT/FCT, Flying Probe/Bed-of-Nails Tester, Boundary Scan (JTAG) & Others

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