Standex DETECT Electronics

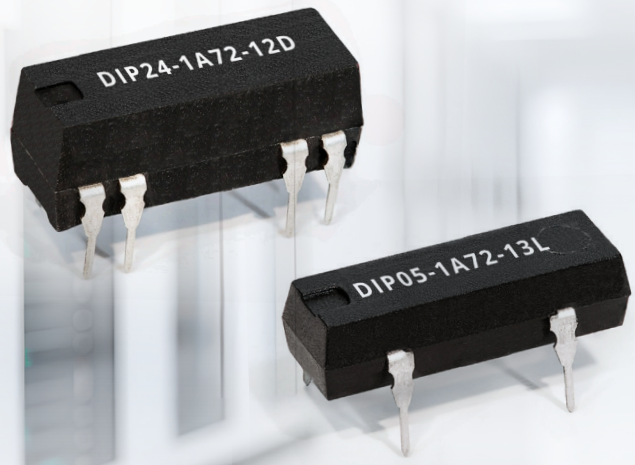
INNOVATE / CONSULT / ENGINEER / DELIVER

DIP SERIES REED RELAYS PROVEN & AVAILABLE INDUSTRY STANDARD

REQUEST A QUOTE

Reliable DIP Reed Relays delivering proven performance, flexible options, and assured long-term availability.

Precision, Performance, and Reliability



RoHS Compliant · REACH COMPLIANCE · c UL us

KEY FEATURES

- Instrumentation-grade DIP Reed Relays deliver a proven industry standard for Telecom, Security, Industrial, Test & Measurement, and General Purpose applications.
- In a rugged 14-pin thermoset Dual In-Line Package, they cross to all competitive DIP types, offering the ideal balance of size, performance, and long-term availability.
- Optional suppression diodes, magnetic shielding, and coaxial screening ensure the right fit for every application.
- 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

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

standexdetect.com

DIP SERIES
REED RELAYS

Proven & Available Industry Standard

PART DESCRIPTION:

DIP00-0X00-00X
1 2 3 4 5

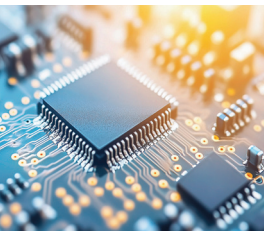
1	Nominal Voltage	05, 12, 24
2	Contact Qty & Form	1A, 1B, 1C, 2A
3	Switch Model	72, 75, 90
4	Pin Out	10, 11, 12, 13, 19, 21, 51
5	Option ( ) Version with Mag Shield	A, L(M), D(Q), E(R), F(S)

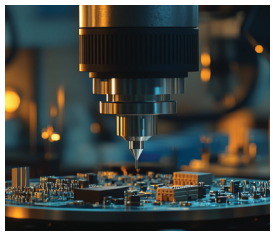
- L Standard – no additional option
- D Suppression Diode
- M External Magnetic Shield
- Q Suppression Diode with External Magnetic Shield
- HR High Resistance Coil

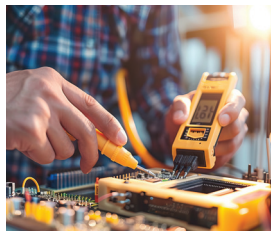
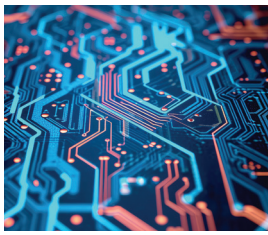
FEATURES

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

CONTACT DATA @20°C	72	75	90
Contact Form	1A	1A	1C
Rated Power Max. W: Any DC combination of V&A not to exceed max. rated power	10	10	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	100	200	150
Breakdown Voltage Min. kVDC: According to EN60255-27	0.25	0.6	0.2
Operating Time Max. ms: Including Bounce, Measured w/40% Pull-In Overdrive	0.5	0.5	0.7
Release Time Max. ms: Measured without Coil Suppression	0.1	0.1	1.5
Insulation Resistance Min./Typ. Ohm: Rh<45%, 100V Test Voltage	10^{10}	10^{10}	10^{10}
Capacitance Typ. pF: @ 10kHz across open Switch	0.3	0.4	1.0





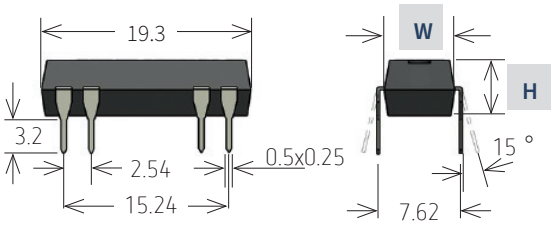



DIP SERIES
REED RELAYS

Proven & Available Industry Standard

DIMENSIONS mm (inch)

Tolerances acc. to DIN ISO 2768-m

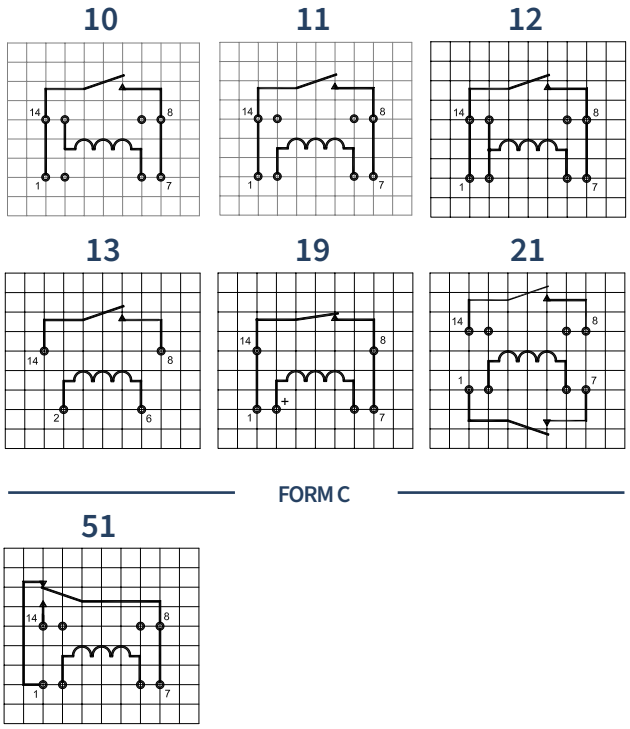


6.5W = LOW PROFILE
5.1H = LOW PROFILE

7.0W= HIGH PROFILE
7.5H = HIGH PROFILE

PINOUT OPTION (Top View)

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



COIL DATA @20°C	72, 75			72HR		90		
Contact Form	1A, 1B, 2A			1A		1C		
Pin Out:	10, 11, 12, 13 (1A), 19 (1B), 21 (2A)			12, 13		51		
Coil Voltage Typ. VDC:	5	12	24	5	12	5	12	24
Coil Voltage Max. VDC:	7.5	16	30	7.5	16	7.5	15	30
Coil Resistance (± 10 %) Typ. Ohm:	500	1000	2000	1000	2000	200	500	2000
Pull-In Voltage Max. VDC:	3.5	8.4	16.8	3.8	8.4	3.5	8.4	16.8
Drop-Out Voltage Max. VDC:	0.75	1.8	3.6	0.75	1.8	0.75	1.8	3.6
Coil Power Nominal mW:	50	144	288	25	72	125	288	288

MARKETS & APPLICATIONS:

- ✔ Automated Test Equipment
- ✔ General Purpose
- ✔ Telecommunications
- ✔ Security & Others
- ✔ ICT/FCT
- ✔ Flying Probe
- ✔ Bed-of-Nails Tester
- ✔ Boundry Scan (JTAG) & Other

PRODUCT PAGE

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