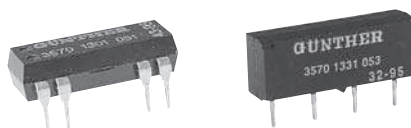


DIL-SIL-REED RELAYS



Version	DIL-Low Profile	SIL			
Contact Form	1 Normally Open	1 Normally Open			
Type	3570 1301 ...	3570 1331 ...			
Features	- Industry-standard	- Industry-standard			

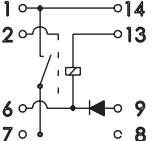
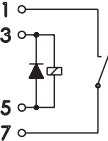
Coil Parameters

Nominal coil voltage	VDC	5	12	24	5	12	24										
Pull-in voltage	max.	VDC	3,8	9	18	3,8	9	18									
Drop-out voltage	min.	VDC	0,8	1	2	0,8	1,5	2									
Operating voltage	max.	VDC	15	20	30	15	30	40									
Coil resistance	±10%	Ω	500	1000	2000	500	1000	2000									

Contact Parameters

Switching capacity	max.	W/VA	10	10													
Switching voltage	max.	V	100 AC/DC	100 AC/DC													
Switching current	max.	A	0,5	0,5													
Carrying current	max.	A	1,0	1,0													
Contact resistance	max.	mΩ	150	150													
Dielectric strength	min.	VDC	200	200													

Relay Parameters

Dielectric strength	coil/contact	VDC	1000	1000			
Insulation resistance	coil/contact	Ω	10 ¹⁰	10 ¹⁰			
Storage temperature		°C	-40...+105	-40...+105			
Operating temperature		°C	-35...+80	-35...+80			
Pull-in time incl. bounce time max.		ms	0,5	0,5			
Drop-out time with diode		ms	0,5	0,5			
Dimensions		page	20	20			
Weight		approx. g	1,8	1,6			
Pin configuration (top view)							

Vibration and Shock Resistance

During the evaluation of vibration and shock resistance, the relays are driven with nominal voltage. The switches should not open longer than 10 μsec.

	Normally Open	Change Over
Vibration resist.	20 g / 5...2000 Hz	10 g / 5...500 Hz
Shock resistance	100 g / 11 ms Sine half wave	50 g / 11 ms Sine half wave

Washability

Resistant to Caltron, Freon, alcohol and distilled (pure) water. During the final rinsing phase only the purest substances should be used.

Capacitance

The capacitance parameters are regarded as typical and are calculated for versions without shielding:

Capacitance, measured...	N.O.	Change Over
across open contact	0,8 pF	2,5 pF
between open contact and coil	1,5 pF	2,5 pF
between closed contact and coil	3,0 pF	2,5 pF

Solderability

By using laser welding in manufacture, a number of our DIL-SIL-Reed Relays are suitable for enhanced soldering requirements. All relays meet the DIN 8505 requirements.

Hole Diameter in PCB: Ø 0,65 mm