

PRODUCT
FINDER

Reed Switches

Reed Relays

Selection Guide

Application Notes

4-Pin-DIP-DF

PB-PC

ML-W

SIP-DG

SIP-DH

SIP-SD

SIP-SG

Z

Passive Infrared Detectors

Photoelectric Beams

Opto Sensors

Proximity Sensors

Automotive Sensors

Level Sensors

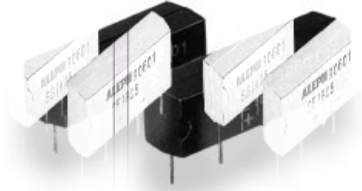
Flow Sensors

Magnetic Contacts

Video

Aleph SIP/SG Series Reed Relay

- Various contact configurations
- Some models offer VDE compliance, i.e., 4000 VAC isolation
- Optional shielding and diodes
- UL models available



Coil Ratings

Part Number	Nominal Voltage (VDC)	Coil Resistance (ohms) ±10%	Operate Voltage (VDC) max.	Release Voltage (VDC) min.	Schematics
SG1A**AWJ(D)	5	500	3.8	0.5	
	12	850	9.0	1.0	
	24	2200	18.0	2.0	
SG1A**AWR(D) SG1A**RWR(D)	5	500 (350) 850	3.8	0.5	
	12	2200	9.0	1.0	
	24	() = RWR	18.0	2.0	
SG1C**FWS(D)	5	200	3.8	0.5	
	12	500	9.0	1.0	
	24	2000	18.0	2.0	
SE1B**AXJ	5	500	3.8	0.5	
	12	500	9.0	1.0	
SE1B**AXP	5	500	3.8	0.5	
	12	500	9.0	1.0	

TAMB. = +20°C
(M.S.) : Magnetic Shield

Contact Ratings

Parameters		SG1A**AWJ	SG1A**AWR	SG1A**RWR
Power (W) max.		10	10	10
Voltage (VDC) max.		200	200	500
Switching Current (A) max.		0.5	0.5	0.5
Carry Current (A) max.		1.0	1.0	1.0
Contact Resistance (ohms) max. (initial)		0.2	0.2	0.2
Breakdown Voltage (VDC) min.	Open Contact	250	250	1000
	Contact to Coil	1500	4000AC	4000AC
	Open Contact	10 ¹⁰	10 ¹⁰	10 ¹⁰
Insulation Resistance (ohms) min.	Contact to Coil	10 ¹⁰	10 ¹⁰	10 ¹⁰
Operate Time (mS) max (incl. bounce)		1.0	1.0	1.0
Release Time (mS) max.		0.5	0.5	0.5
Electrical Life	Low Level	10 ⁸ (10mVDC, 10µA)	10 ⁸ (10mVDC, 10µA)	10 ⁸ (10mVDC, 10µA)
	Rated Load	6 X 10 ⁵ (20VDC, 0.5A)	6 X 10 ⁵ (20VDC, 0.5A)	5 X 10 ⁵ (500VDC, 20mA)

(resistive loads)

Dimensions

SG1A__AWJ	SG1A__AWR, RWR
SG1C__FWS	SE1B__AXJ
SE1B__AXP	



Aleph is a leading manufacturer of Opto Sensors (interrupter, reflective and actuator type), Magneto Resistive, Inductive, Thermal (reed switch), Magnetic Proximity (reed switch) and Deceleration/Crash type sensors.

Our security products are considered some of the best in the world. We manufacture and distribute Passive Infrared Detectors, Photoelectric Beams and Magnetic Contacts.

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[Reed Relays](#)
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