

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

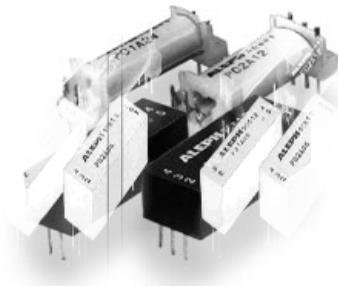
Flow Sensors

Magnetic Contacts

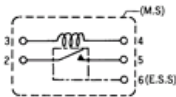
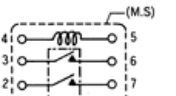
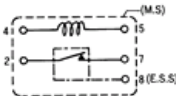
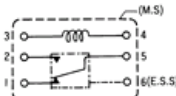
Video

Aleph ECONO-OPEN/PB-PC Series Reed Relay

- Open frame and encased package
- Industry standard package style
- Various contact configurations
- Variety of options



Coil Ratings

Part Number		Nominal Voltage (VDC)	Coil Resistance (ohms) ±10%	Operate Voltage (VDC) max.	Release Voltage (VDC) min.	Schematics
ECONO	OPEN					
PB1A**AWE	PC1A**AWE PC1A**CWE	5	250 (500)	3.8	0.5	
PB1A**CWE		12	500	9.0	1.0	
PB1A**DWE		24	2000	18.0	2.0	
		*() : AW type				
PB2A**AWE	PC2A**AWE PC2A**CWE	5	200	3.8	0.5	
PB2A**CWE		12	440	9.0	1.0	
PB2A**DWE		24	1750	18.0	2.0	
PB1B**AWE		5	200	3.8	0.5	
		12	440	9.0	1.0	
		24	1750	18.0	2.0	
PB1C**FWE	PC1C**FWE	5	500	3.8	0.5	
		12	500	9.0	1.0	
		24	2000	18.0	2.0	

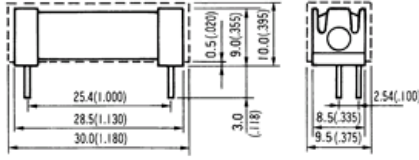
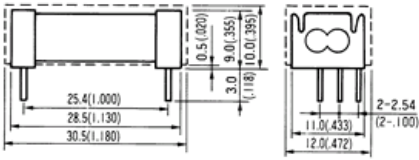
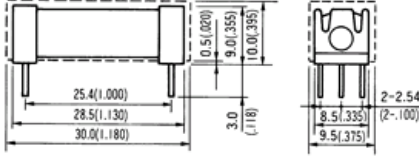
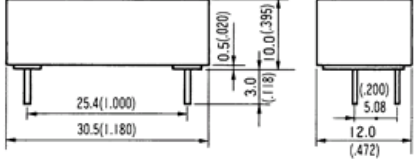
TAMB. = +20°C
(M.S.) : Magnetic Shield
(E.S.S.) : Electrostatic Shield

Contact Ratings

Parameters		PB1A**AW PC1A**AW PB2A**AW PC2A**AW PB1B**AW PC1B**AW	PB1A**CW PC1A**CW PB2A**CW PC2A**CW	PB1A**DW PB2A**DW	PB1C**FW PC1C**FW
Power (W) max.		10	50	25	3
Voltage (VDC) max.		200	200	1000	100
Switching Current (A) max.		0.5	1.0	1.0	0.25
Carry Current (A) max.		1.0	2.0	2.0	0.5
Contact Resistance (ohms) max. (initial)		0.2	0.2	0.2	0.2
Breakdown Voltage (VDC) min.	Open Contact	250	300	1500	200
	Contact to Coil	500	500	1500	500
Insulation Resistance (ohms) min.	Open Contact	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ⁸
	Contact to Coil	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰
Operate Time (mS) max (incl. bounce)		1.0	1.0	1.0	2.0
Release Time (mS) max.		0.5	0.5	0.5	2.5
Electrical Life	Low Level	10 ⁸ (10mVDC, 10μA)	10 ⁷ (10VDC, 4mA)	5 X 10 ⁷ (10VDC, 4mA)	5 X 10 ⁶ (10VDC, 4mA)
	Rated Load	6 X 10 ⁵ (20VDC, 0.5A)	5 X 10 ⁵ (200VDC, 1.0A)	2 X 10 ⁶ (1000VDC, 10mA)	2 X 10 ⁶ (12VDC, 0.25A)

(resistive loads)

Dimensions

PB(PC)1A	PB(PC)2A
	
PB(PC)1C	PB1B
	



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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