



Plug in Relays - ASP Series

Universal &
Miniature Range



BCH ELECTRIC LIMITED

Miniature Plug in Relays - ASPM Series

- General Purpose Plug in Relays
- 2 & 4 Amp changeover contacts
- 5 Amp Resistive for 2 Pole & 4 Pole
- Control : 12V - 220V DC ; 12V - 240V AC

Key Features:

- Inbuilt LED Indication
- 35 mm DIN Rail Mounting
- High Electrical Life
- CE Marked
- Fast operating & releasing time
- Suitable for adverse environment conditions
- Low VA burden

Applications:

- Industrial Controls
- Instrumentation
- Automation Systems
- Power sequence control
- Electrical appliances
- Telecommunications
- Battery chargers
- Power Conditioning Equipment



ASPM (5 AMPS)
Plug-in type Enclosed version
with LED Indication



ASPM (5 AMPS)
Plug-in type Enclosed version
with LED Indication



ASPM (5 AMPS)
Plug-in type Enclosed version
with LED Indication

Specifications:

Contact Arrangement	2 or 4 changeover contacts
Contact Ratings	5 Amps Resistive for 2 pole & 4 pole Relays with LED display
Contact Resistance	50 m-ohms. Max (Initial)
Insulation Resistance	500 Meg. Ohms at 500 VDC 25° C, 50 RH
Ambient Temperature	-40° +70° C
Contact Material	Agcdo
Electrical Life	100x10 ³ at rated voltage
Dielectric strength	As under
Between Contacts	1000V RMS
Between contact and coil	2000V RMS
Operate time at nominal voltage	20 m.secs
Release time at nominal voltage	10 m.secs
Max. Weight (in grams)	35g
Coil consumption	0.9 Watt

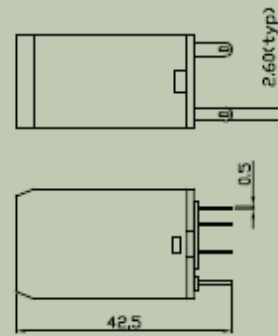
Coil Data:

Nominal Voltage DC & AC	Coil Resistance in Ohms + 10%		Pick-up Voltage (Max)	Release Voltage (Min)	
	DC	AC		DC	AC
06	41	13	05	0.6	1.8
12	165	53	10	1.2	3.6
18	330	-	15	1.8	5.4
24	660	210	20	2.4	7.2
48	2640	840	40	4.8	14.4
60	4200	-		6.0	18
110	13200	4400	90	11	33
220 V DC/240 AC	54000	19000	176/190	24	72

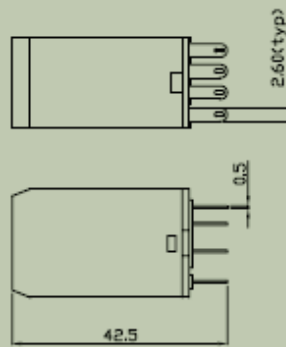
All values at 25° ambient

Dimension:

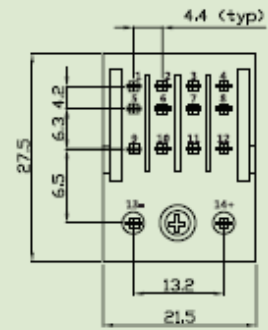
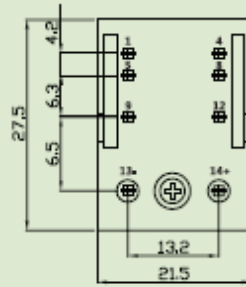
ASPM RELAY - 2POLE



ASPM RELAY - 4POLE



WIRING LAYOUT (BOTTOM VIEW)



Universal Plug in Relays - ASPS & ASPU Series

- General Purpose Universal Relays
- Contact arrangement : 2 & 3 Changeover contacts
- ASPS Relay - 5Amp Resistive for 2 Pole & 3 Pole
- ASPU Relay - 10Amp Resistive for 2 Pole & 3 Pole
- Control : 6V* - 220V DC ; 6V* - 240V AC

* 6V AC or DC - available in 2 Pole version

Key Features:

- Inbuilt LED Indication
- 35 mm DIN Rail Mounting
- High Electrical Life
- Inbuilt freewheeling diode for DC coil
- CE Marked
- Fast operating & releasing time
- Low VA burden
- Suitable for adverse environment conditions

Applications:

- Industrial Controls
- Instrumentation
- Automation Systems
- Textiles Machineries
- Process Control Systems
- Machine Tools
- Vending Machine



TYPE ASPS / ASPU (5/10 AMPS)
Plug-in type Enclosed version
with LED Indication

Specifications:

Contact Arrangement	2 or 3 changeover contacts
Contact Ratings	5 / 10 Amps Resistive at 24V DC / 240V AC
Contact Resistance	50 milli ohms Max (Initial)
Insulation Resistance	500 Meg. Ohms at 500 VDC 25° C
Ambient Temperature	-40° +70° C
Contact Material	Agcdo
Electrical Life	10 ⁵ Operations at rated voltage
Mechanical Life	10 ⁷ Operations
Dielectric strength	As under
Between Contacts	1500V RMS
Between contact and coil	2000V RMS
Operate time at nominal voltage	20 m.secs
Release time at nominal voltage	10 m.secs
Max. Weight (in grams)	95g
Coil Consumption	1.2 Watt / 2.4 VA

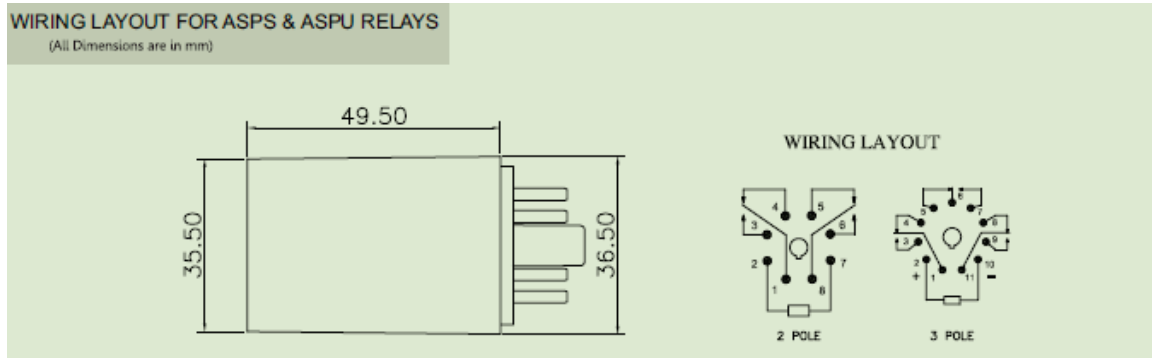
Coil Data:

Nominal Voltage DC & AC	Coil Resistance in Ohms + 10%		Pick-up Voltage (Max)	Release Voltage (Min)	
	DC	AC		DC	AC
06	30	07	5	0.6	1.8
12	2P-200 / 3P-150	30	10	1.2	3.6
18	390	55	15	1.8	5.4
24	2P, 3P-500	110	20	2.4	7.2
48	2250	440	40	4.8	14.4
60	3400	-	48	6.0	18
110	10K	2400	90	11	33
220V DC/240V AC	34K	9700	176/190	24	72

All values at 25° ambient

NOTE: For 220V DC Coil Voltage 45K Resistor Can be offered on Request

Dimensions: ASPS / ASPU Universal Relay



Ordering Information:



Product series DIN rail mounting

U: Universal Aux. Relay 10A
S: Universal Aux. Relay 5A
M: Miniature Aux. Relay 5A

Universal Aux. Relay :	2 : 2 Change Over
	3 : 3 Change Over
Miniature Aux. Relay :	2 : 2 Change Over
	4 : 4 Change Over

Nominal Voltage:
06,12,18,24,48,110,220VDC/240V AC

A : AC Voltage
D : DC Voltage

With LED indication

Special Features only for Universal Aux. relay 10 Amp
Blank: Without Mechanical Lock facility
T : With Mechanical Lock facility

Example:

2 Changeover, miniature relay 5Amp, 24V DC with LED Indication
cat code will be **ASPM224DLE**

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Since product improvement is a continuous process, the data furnished in this brochure may undergo revision without prior notice.