

LCN-BVC1

Voltage Converter for Binary Sensors



Description:

The LCN-BVC1 converts supply voltage to potential free contact (transistor output).

It enables the simple connection of e.g. motion detectors, **delay timers**, micro switches and room thermostats from other manufactures to be integrated onto the LCN Bus.

The LCN-BVC1 can be used in conjunction with LCN-B3I, LCN-B3IN or LCN-B8L.

Hardware equipment:

Connecting terminal for interrogating contact

Connecting wires for binary sensor

Status LED for input signal

Field of application:

For interrogation of contacts from power relays, thermostats etc.

Those which are supplied with mains voltages as the contact material (AgSnO_2) over time will oxidise with low voltage switching.

When only 1 or 2 contacts to be interrogated rendering the LCN-B8H to expensive.

Note:

A number of LCN-BVC1 can operate in parallel.

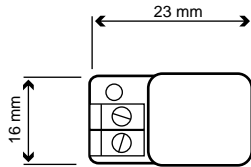
It can also be used with low voltage binary sensors from other manufactures.

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Measurements:

(W x L x H): 16 mm x 23 mm x 13 mm



Technical Data:

Anschluss:

Input voltage: 170V~ - 250V~/50-60Hz
Power input: 0,1W

Output: Transistor path, galv. separated to 1000V

Connection wire binarysensor: Litze, 5 cm

Terminals: Screwed
Wire type: Single or multi core, max. 2,5 mm² or with insulated ferrules max. 1,5 mm²

Supply line mains side: max. 100 Meter

General Data:

Operating temp: -10°C bis +40°C
Humidity: max. 80% rel., Non condensing

Enviromental conditions: Stationary installation according to VDE632, VDE637

Protection: IP 20

Assembly:

Decentralised behind wall

Circuit diagram:

