

Smart Dupline® Input/Output Module Type BDB-IOCP8x-U

CARLO GAVAZZI



- Light switch for building automation application
- 4 contact inputs for pushbuttons
- 4 contact outputs for LED with voltage up to 8.0 V
- Input pulse prolongation
- Compact housing
- Bus supplied
- Low current consumption

Product Description

The BDB-IOCP8 is an input/output module to be connected to PNP transistor outputs and contact inputs. It offers a flexible installation concept to integrate a smart-house system with already existing light

switch/push buttons in building automation installations. It is part of the smart-house concept and can be used with all the functions supported by the smart-house controller.

Ordering Key

BDB IOCP8 A U

Decentral module _____
Input _____
Output _____
Connection _____
PNP _____
Number of inputs and outputs _____
8.0 V output voltage _____
Smart Dupline® _____

Type Selection

Input	Outputs	Output voltage	Bus supplied
4	4 PNP	3.3 V	BDB-IOCP8-U
4	4 PNP	8.0 V	BDB-IOCP8A-U

Input Specifications

Inputs	4 contacts
Input current, each channel	0.1 mA
Input pulse prolongation	min. 272 ms
Cable length	≤ 0.2 m
Dielectric voltage	
Inputs - Dupline®	None

Output Specifications

Outputs	4 PNP
Load, each channel	Max. 1.5 mA
Output voltage	
	IOCP8 3.3 V
	IOCP8A 8.0 V
Cable length	≤ 0.2 m

Dupline® Specifications

Voltage	8.2 V
Maximum Dupline® voltage	10 V
Minimum Dupline® voltage	5.5 V
Maximum Dupline® current	10 mA

Supply Specifications

Power supply	Supplied by Dupline® bus
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General Specifications

Address assignments / channel programming	If it is used with the SH2WEB24 the address assignment is automatic: the controller recognises the module through the SIN (Specific Identification Number) that has to be inserted in the SH tool. If it is used with the BH8-CTRL-230, the channels have to be programmed by the BGP-COD-BAT.	Weight	15 g
		Approvals	cULus, according to UL60950
		CE Marking	Yes
		EMC	
Environment	Operating temperature Storage temperature Humidity (non-condensing)	Immunity	EN 61000-6-2
		- Electrostatic discharge	EN 61000-4-2
Connection	Max. size of wire in Dupline® terminals	- Radiated radiofrequency	EN 61000-4-3
		- Burst immunity	EN 61000-4-4
Housing	Dimensions (h x w x d) Material	- Surge	EN 61000-4-5
		- Conducted radio frequency	EN 61000-4-6
		- Power frequency magnetic fields	EN 61000-4-8
		- Voltage dips, variations, interruptions	EN 61000-4-11
		Emission	EN 61000-6-3
		- Conducted and radiated emissions	CISPR 22 (EN55022), cl. B
		- Conducted emissions	CISPR 16-2-1 (EN55016-2-1)
		- Radiated emissions	CISPR 16-2-3 (EN55016-2-3)

Mode of Operation

The BDB-IOCP8x-U is fully programmable via the SH tool: each input and each output can be individually associated to one or more functions supported by the smart-house system.

BDB-IOCP8x-U connected to the SH2WEB24

Coding/Addressing

If the input/output module is connected to the SH2WEB24 controller, no addressing is needed since the module is provided with a specific identification number (SIN): the user has only

to insert the SIN number in the SH tool when creating the system configuration.

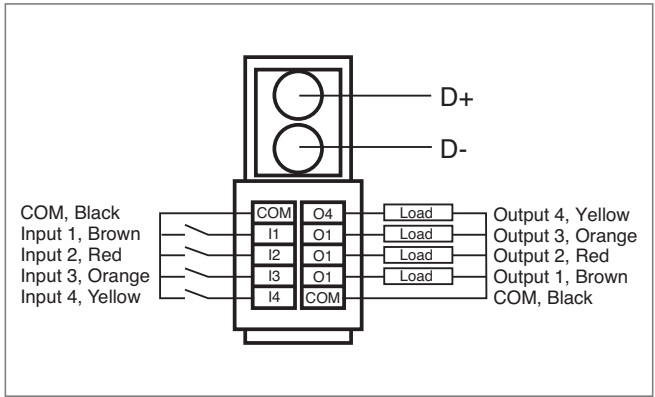
Used channels: 4 input channels, 4 output channels.

BDB-IOCP8x-U connected to the BH8-CTRLX-230

Coding/Addressing

If the input module is connected to the BH8-CTRLX-230 controller, the user has to program the dupline channels using the BGP-COD-BAT: this module has 4 input and 4 output channels.

Wiring Diagrams



Mouser Electronics

Authorized Distributor

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