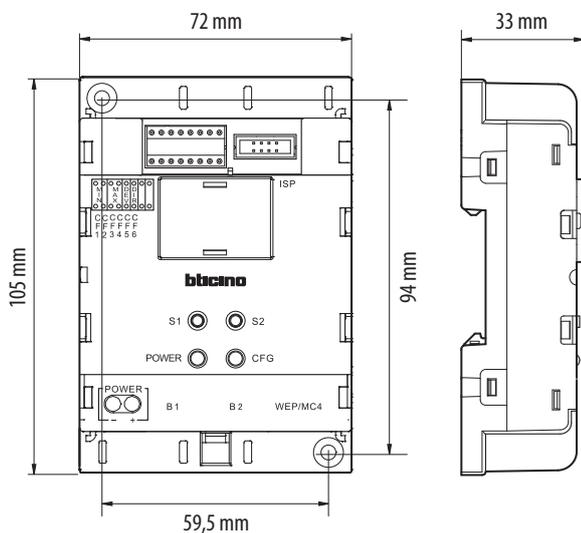


**Description**

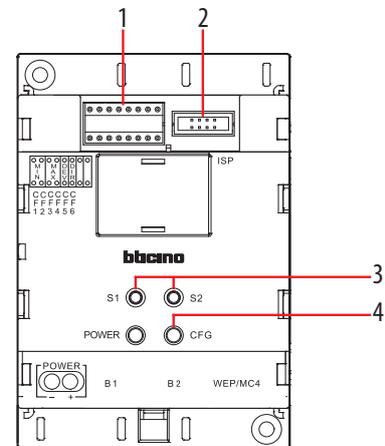
D45 System interface device used to connect the entrance panel and the switchboard to the system. This device automatically switches over the video channels. Must be configured. DIN RAIL installation.

**Technical data**

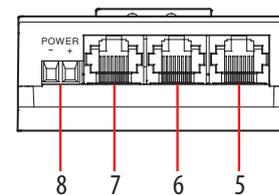
Power supply:	30 Vdc
Stand by current absorption:	≤ 70 mA @ 30 V
Max. operating current absorption:	≤ 70 mA @ 30 V
Stand by power consumption:	2.1 W
Operating power consumption:	2.1 W
Operating temperature:	(-10)-(+40)°C

**Dimensional data**

Front view



Lower view

**Legend**

1. Configurators housing
2. Serial port interface for configuration download and firmware update
3. S1 - S2 keys for pushbuttons device configuration (NOT USED)
4. LED indicator for configuration status
5. RJ45 connector for digital entrance panel or switchboard connection
6. B2 RJ45 connector for main system BUS connection
7. B1 RJ45 connector for main system BUS connection
8. Auxiliary power supply input connector (30 V)

**Configuration**

Two different device configuration ways available:

- WAY 1) Configuration settings by inserting physical configurators
- WAY 2) Configuration by using SF2 Software and PC connection

Configuration by inserting physical configurators - WAY 1:

CF1	CF2	CF3	CF4	CF5	CF6
⊙	⊙	⊙	⊙	⊙	⊙
MC min	MC min	MC max	MC mac	DEV	DIR
⊙	⊙	⊙	⊙	⊙	⊙

Meaning of the configuration places:

CONFIGURATION PLACE	MODE 1	MODE 2
CF1	Min*	Same as Mode 1
CF2		
CF3	Max**	
CF4		
CF5	DEV	
CF6	DIR	

\*Min: the minimal number connected to the Backbone/main EP or to the switchboard at main EP/Switchboard of interface.

\*\*Max: the maximal number connected to the Backbone/main EP or to the switchboard at main EP/Switchboard of interface.

DEV = options of main EP/Switchboard types:

DEV	
0	Switchboard
1	Backbone/main EP

DIR: options of main EP/Switchboard wiring directions:

DIR	
0	The Switchboard is connected to the B1 interface and backbone/main EP to the B2 interface
1	The backbone/main EP is connected to B1 and the Switchboard to B2

The DIR configuration for the device wiring direction must satisfy the following rules or they will lead to irregular working of the system :

1. Riser shunt must be connected at the B1 connector interface of all interface in the relevant zone.
2. The wiring direction of the switchboard and the main EP can be set through the DIR configuration place, but all of interfaces wiring directions must be identically configured in the project.
3. Pushbutton-configuration operation (it will be invalid when the configurator is inserted).

CF1	CF2	CF3	CF4	CF5	CF6
⊙	⊙	⊙	⊙	⊙	⊙
MC min	MC min	MC max	MC mac	DEV	DIR
⊙	⊙	⊙	⊙	⊙	⊙
1	2	3	4	5	6

Value of the configuration place (from 0 – 9)

Code of the configuration place (1 to 6)

Configuration examples:

**Example (A):**

Item 323018 is used to extend one switchboard. The switchboard address range is 4; all main EP are installed in the B1 port of 323018, configuration as follows:

CF1	CF2	CF3	CF4	CF5	CF6
⊙	⊙	⊙	⊙	⊙	⊙
MIN	MIN	MAX	MAX	DEV	DIR
⊙	⊙	⊙	⊙	⊙	⊙
0	4	0	4	0	1

POSITION	MODE 1	VALUE FOR CONFIG.	REMARKS
CF1	MIN	0	x
CF2	MIN	4	x
CF3	MAX	0	x
CF4	MAX	4	x
CF5	DEV	0	x
CF6	DIR	1	x

Configuration examples:

**Example (B):**

Item 323018 used to extend the main EP. The main EP address range is 4 to 5; all switchboards are installed in the B1 port of 323018, configuration as follows:

CF1	CF2	CF3	CF4	CF5	CF6
⊙	⊙	⊙	⊙	⊙	⊙
MIN	MIN	MAX	MAX	DEV	DIR
⊙	⊙	⊙	⊙	⊙	⊙
0	4	0	5	1	0

POSITION	MODE 1	VALUE FOR CONFIG.	REMARKS
CF1	MIN	0	x
CF2	MIN	4	x
CF3	MAX	0	x
CF4	MAX	5	x
CF5	DEV	1	x
CF6	DIR	0	x

Configuration examples:

**Example (C):**

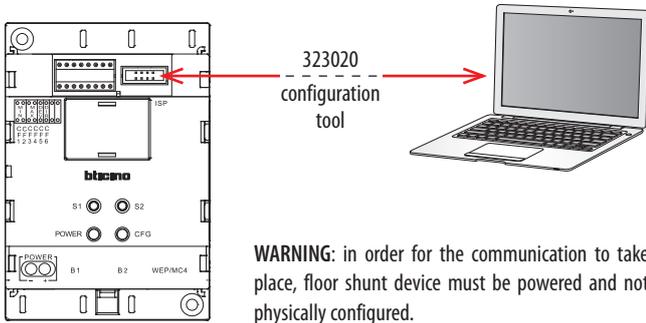
Item 323018 is used to extend one Switchboard, Switchboard address range is 4; all main EP are installed in the B1 port of 323018, configuration as follows:

CF1	CF2	CF3	CF4	CF5	CF6
⊙	⊙	⊙	⊙	⊙	⊙
MIN	MIN	MAX	MAX	DEV	DIR
⊙	⊙	⊙	⊙	⊙	⊙
0	4	0	5	1	1

POSITION	MODE 1	VALUE FOR CONFIG.	REMARKS
CF1	MIN	0	x
CF2	MIN	4	x
CF3	MAX	0	x
CF4	MAX	5	x
CF5	DEV	1	x
CF6	DIR	1	x

Configuration by using SF2 software and PC connection - WAY 2:

This is the enhanced way to download the device configuration to interface device previously created by using SF2 configuration software and a personal computer. To transfer file use the configurator hardware tool 323020 serial interface.



**WARNING:** in order for the communication to take place, floor shunt device must be powered and not physically configured.

Wiring diagram

