

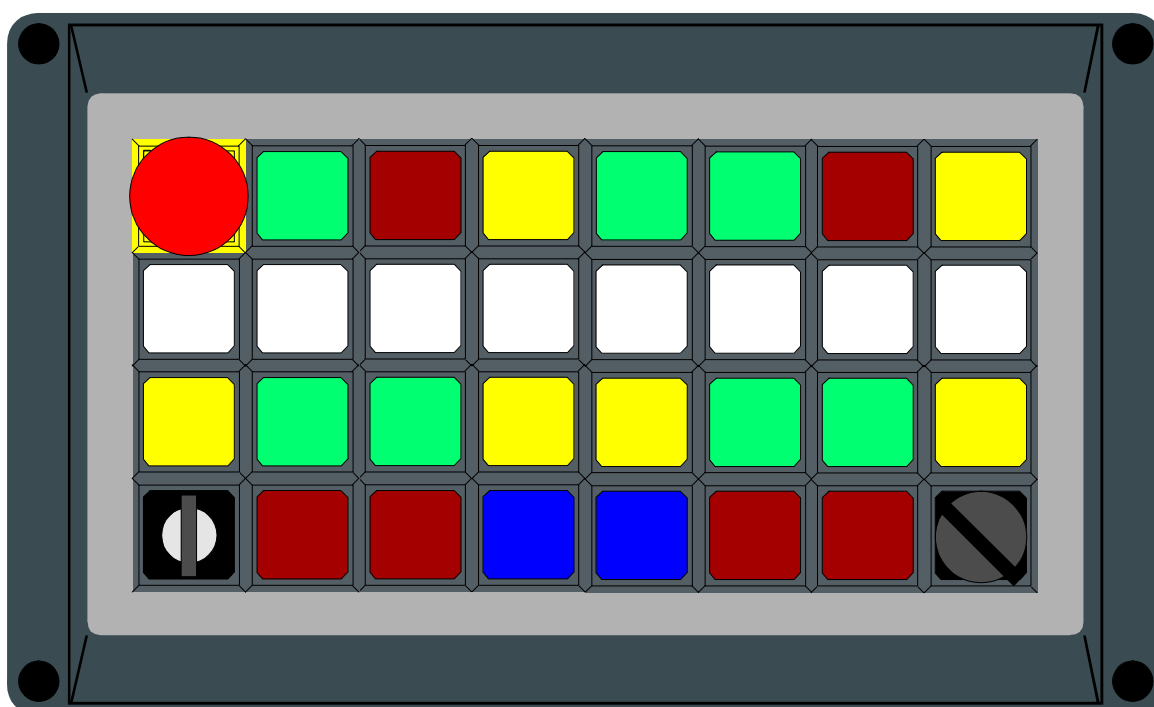
Operating and Display Elements for the Industrial PC

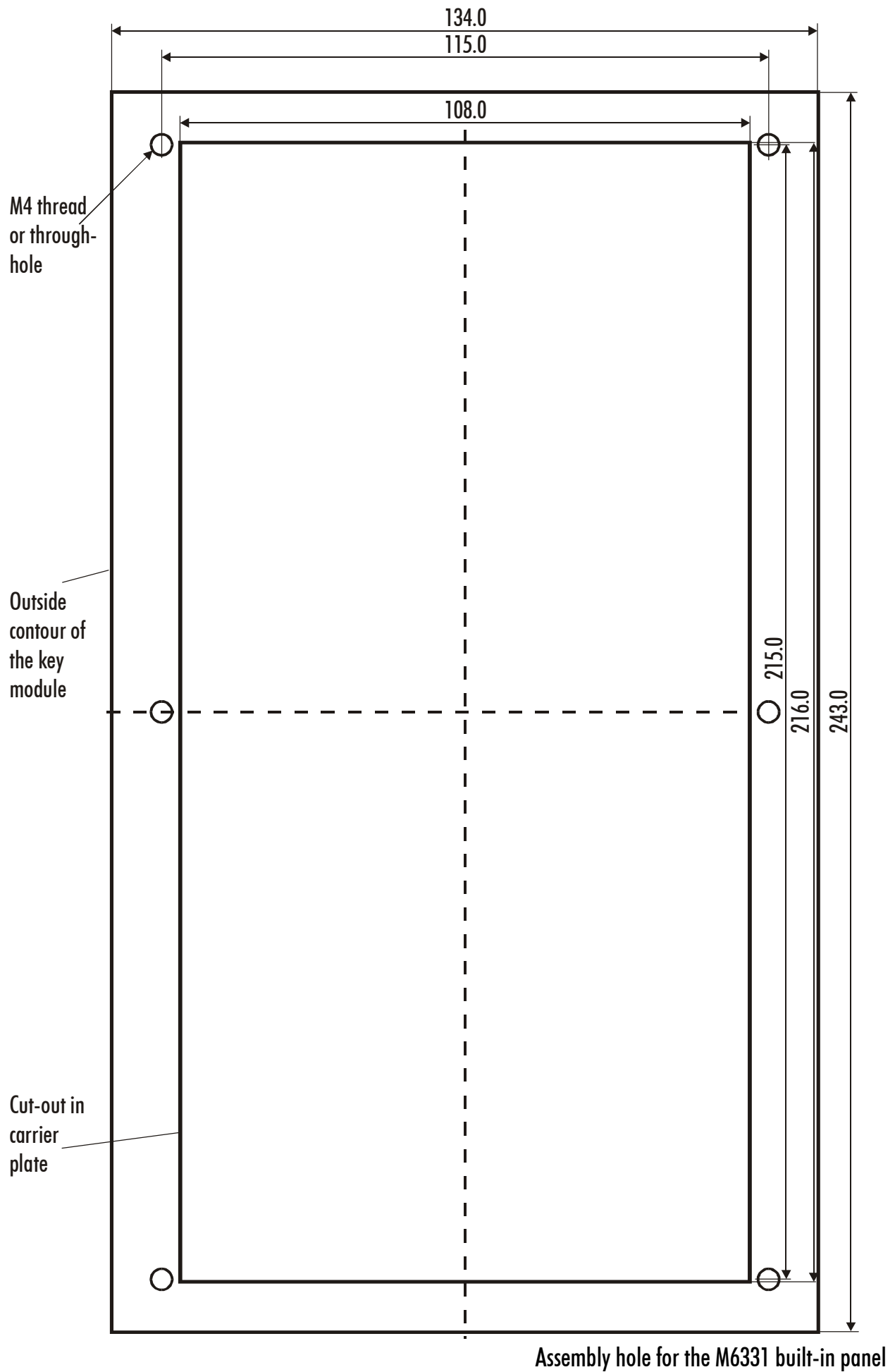
■ M6330: Control Unit with I/O Lightbus Connection

The M6330 control unit is fitted with a choice of switching elements. Switch positions are read via the I/O Lightbus, and indicator lights are driven by the central controller.

Some of the switching elements are wired to screw terminals, to control, for instance, emergency off switches or a main contactor.

- Stackable 8 * 4 keypad to be fitted with a choice of keyswitches, indicator lights, emergency off switches etc.
- 32 electromechanical illuminated switches, wired to the I/O Lightbus as make contact inputs and indicator light outputs, of which 8 are additionally wired as changeover contacts to screw terminals
- Keys and switching elements: Manufactured by Schlegel
- In aluminium housing (M6330) or as built-in panel (M6331)
- optionally with 32 keys (M6330-000), with 31 keys + emergency off (M6330-001), without keys (M6330-010), or customer-specific (M6330-030)





Mechanical Features

- External dimensions of aluminium diecast housing: 240 * 160 * 117 mm, type ROLEC
- Built-in panel: External dimensions of built-in plate: 243 * 134 mm
Hole required: 216 * 108 mm, page 2
- If the rear of the device will no longer be accessible after assembly, making it mechanically necessary to plug in the connecting strip before the built-in panel is fitted, the hole needs to be 226 * 108 mm large. An appropriate drawing can be requested.
- Mounting depth: 78 mm under the front panel
- Key arrangement: see page 1
- Protection type: for version mounted in housing, IP65 on all sides
for built-in panel, IP65 to the front
- Fitting to customer-specific housings is a possible option

Fittings

- All actuators in the SCHLEGEL OKTRON range that can be combined with normal contact makers can be used
- Key cap colours optionally white, green, yellow, blue or red
- Marking with standard symbols using ready-made labelling inserts or blank inserts for special signs

General Electrical Properties

- 32 electro-mechanical keys from the SCHLEGEL OKTRON series, illuminated, pre-wired as make contact. The upper 8 keys are optionally connected to a terminal strip for 24 V wiring. They are pre-wired as changeover contacts. One of these keys is wired specially (to a single-terminal connection) for an emergency off function
In 24 V applications the 8 switches are electrically galvanically isolated from the electronics
- Power supply 24 V DC, 400 mA + 30 mA per lamp

Terminal no.	Function
A/B 1	13 from emergency off switch / switch B 100
A/B 2	14 from emergency off switch / switch B 100
A/B 3	21 from emergency off switch / switch B 100
A/B 4	22 from emergency off switch / switch B 100
A/B 5	13/21 from switch A / B 101
A/B 6	14 from switch A / B 101
A/B 7	22 from switch A / B 101
A/B 8	13/21 from switch A / B 102

Terminal no.	Function
A/B 9	14 from switch A / B 102
A/B 10	22 from switch A / B 102
A/B 11	13/21 from switch A / B 103
A/B 12	14 from switch A / B 103
A/B 13	22 from switch A / B 103
A/B 14	0 V
A/B 15	+24 V power supply

Wiring Instructions

- The upper row of keys is configured for 5 V operation as standard. Operation with 24 V is possible without modification. It should be noted here that the working voltage is brought to contact 13/21 of the changeover switch, and the related load is connected to the make contact 14 and/or to the break contact 22.
- All 4 contacts on the optional EMERGENCY OFF switch are accessible at the terminal strip. If, for a special application, the 5 V supply at contact 13.0 is not desired, it can be disconnected by opening a soldering jumper. The position of the soldering jumper on the board can be seen in the diagram on page 3. The make contact 14.0 remains connected to input D0.0, while break contacts 21-22 are available and without voltage.

II/O Lightbus Telegram Assignments

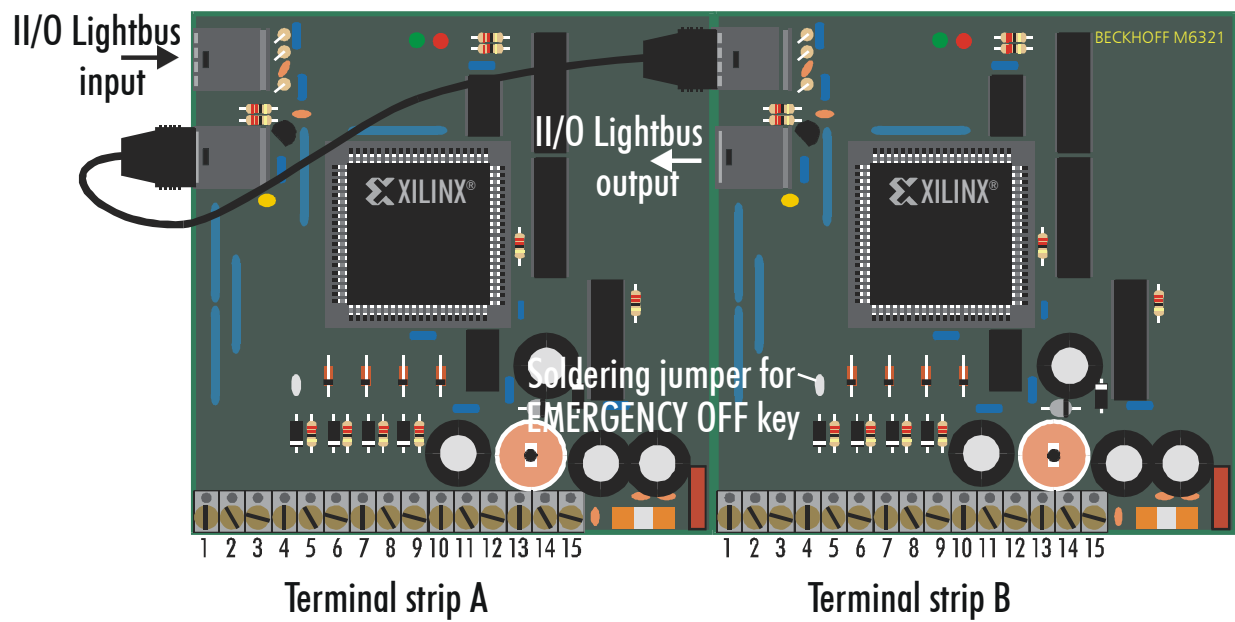
The two modules are to be connected in series. The output from module A is usually connected to the input of module B. This means that module A is to be entered first in the S1000 software II/O setup.

The tables on the following page apply to both of the modules.

M6330	D0	D1	D2	D3
	Inputs for keys 100 - 103 and 200 - 211		Outputs for lamps 100 - 103 and 200 - 211	

Signal	Function
D0.0	Input key 100
D0.1	Input key 101
D0.2	Input key 102
D0.3	Input key 103
D0.4	Input key 200
D0.5	Input key 201
D0.6	Input key 202
D0.7	Input key 203
D1.0	Input key 204
D1.1	Input key 205
D1.2	Input key 206
D1.3	Input key 207
D1.4	Input key 208
D1.5	Input key 209
D1.6	Input key 210
D1.7	Input key 211

Signal	Function
D2.0	Output lamp 100
D2.1	Output lamp 101
D2.2	Output lamp 102
D2.3	Output lamp 103
D2.4	Output lamp 200
D2.5	Output lamp 201
D2.6	Output lamp 202
D2.7	Output lamp 203
D3.0	Output lamp 204
D3.1	Output lamp 205
D3.2	Output lamp 206
D3.3	Output lamp 207
D3.4	Output lamp 208
D3.5	Output lamp 209
D3.6	Output lamp 210
D3.7	Output lamp 211



A100	A101	A102	A103	B100	B101	B102	B103
A200	A201	A202	A203	B200	B201	B202	B203
A204	A205	A206	A207	B204	B205	B206	B207
A208	A209	A210	A211	B208	B209	B210	B211