

3.1 Plug-in base ECZ

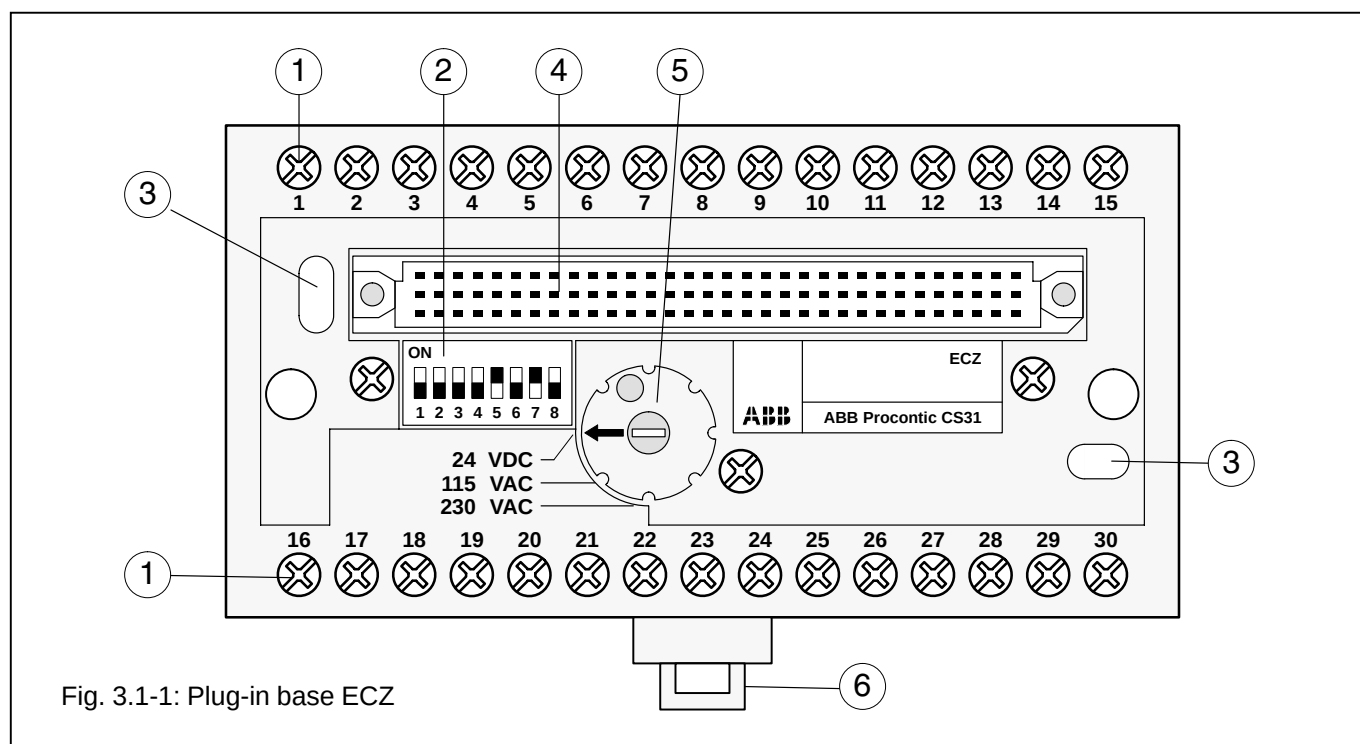


Fig. 3.1-1: Plug-in base ECZ

- (1) Terminals (1-30)
- (2) DIL switch for setting the module address
- (3) Two bore holes for mounting on a surface
- (4) DIN plug (96-pole) for the electrical connection with the remote modules
- (5) Rotary wheel for mechanical coding of the supply voltage (24 V DC, 115 V AC, 230 V AC). Prevents that a module can be plugged-in with another supply voltage than set on the ECZ.
- (6) Adaptor for mounting the plug-in base onto a DIN rail.

The plug-in base ECZ is used for CS31 remote modules as well as for the basic units PCZB and CS20. For the digital input module ICSI 16 L1, two plug-in bases are necessary.

The remote modules are put on the plug-in base and then fastened with two screws. The screws belong to the remote modules. They can be reached from the front panel.

The electric wiring is performed via the terminals 1 to 30 of the plug-in base. In this way, remote modules can be replaced without loosening wires.

Independent of which type of module is mounted, the terminals 1, 2, 3, 16, 17 and 18 always have the same allocation:

- Terminal 1: Bus 2
- Terminal 2: Bus 1
- Terminal 3: Shield (system bus)
- Terminal 16: Supply voltage +24 V DC or 230 V AC
- Terminal 17: Supply voltage 0 V or AC
- Terminal 18: Earthing

In order to protect the remote modules from electrical interferences, the terminals for the supply voltage are equipped with a filter circuitry. The components (L, C) are integrated in the plug-in base.

The assignment of the other terminals depends on the module type put on the plug-in base (see module descriptions).

Remote modules can be replaced without switching off the power supply.

Wiring of the 2-wire bus: All terminals No. 2 (BUS 1) of the plug-in bases have to be connected with the BUS1 terminal of the basic unit. All terminals No. 1 (BUS2) of the plug-in bases have to be connected with the BUS2 terminal of the basic unit.

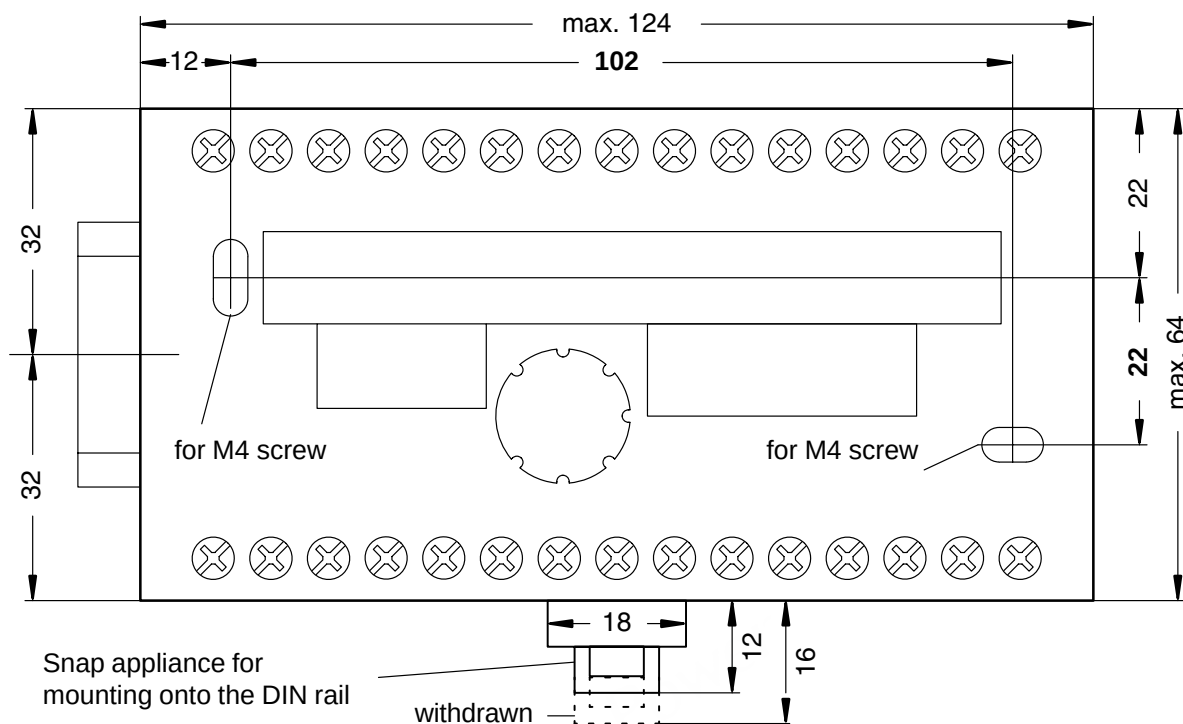
3.1.1 Technical data

Terminals
Weight
Order No.

conductor cross section max. 2 x 2.5 mm²
200 g
FPR3700001R0001

Mechanical data

Installation methods	on a DIN rail or fastening by screws
Mounting depth including the plug-in base and a flat DIN rail	117 mm
Dimensions of the plug-in base (see the drawing below)	
snapping onto the DIN rail	centrally between top and bottom of the plug-in base
fastening by M4 screws	102 mm x 22 mm
max. outline dimensions of the plug-in base	124 mm x 64 (+12) mm



The dimensions for mounting with screws are shown in **bold** print.

Fig. 4.2-3: Mounting the plug-in base ECZ for installation of the input module ICSI 08 E4

Ordering data

Order numbers	Plug-in base ECZ	FPR3700001R0001
	Module ICSI 08 E4 230 V AC	FPR3316401R0016