

MCT Series B42 Control Board DIN Rail Mount Option

The Future Design Controls B42 process loop control board is a primary component of the MCTB and MCT-MC series multi-loop, touch screen control systems. It is an “open” design with mounting holes at each of its four corners, typically used to mount the board using stand-offs.

The MCTB and MCT-MC require one B42 per loop of control. For single loop systems, mounting a single B42 using stand-offs is relatively quick task. However, for systems requiring 3, 4, 5 or more loops the assembly time may affect productivity.



To speed mounting of the B42, a DIN rail option is available from Phoenix Contact. The product consists of an electronic housing and two side elements (end caps) that are used to attach the housing to a standard 35mm DIN rail. The Phoenix Contact component part numbers include:

Electronic housing (for one B42): [2952020/UM100/10.00*/GN6021](#)

Side element (left): [2959696](#)

Side element (right): [2959683](#)

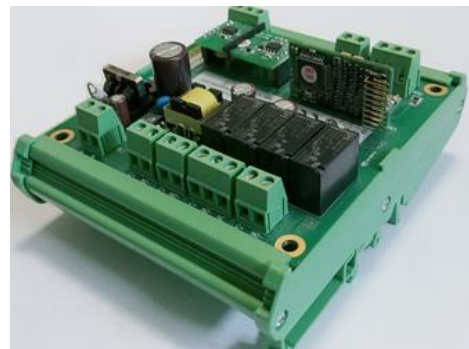
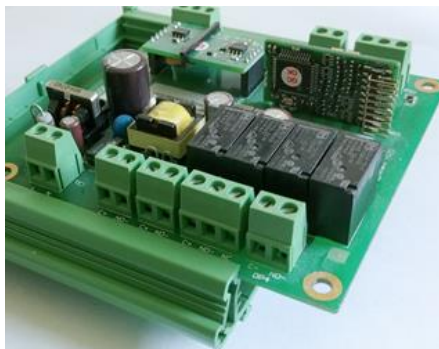
***Note:** *The length of the electronic housing must be specified on order. The default length is 10 cm (10.00) as shown above which can accommodate one B42. The length of the housing can be increased to exceed more than one B42. A length of 10 cm is required per B42, thus a single housing for a total of three B42 boards would need to be 30 cm in length (2952020/UM100/30.00/GN6021).*

Example Assembly (one B42)

Step 1: Attach one side element to the housing.

Step 2: From the open end of the housing, slide the B42 into the top slot.

Step 3: Attach the other side element to the housing securing the B42 in place.



Step 4: Snap the housing onto 35mm DIN rail in your electric panel and wire accordingly.

It is the end user's responsibility to ensure the product is suitable for use in the intended application. For more information on the electronic housing and side elements (specifications/dimensions/approvals, etc.) see the Phoenix Contact website (www.phoenixcontact.com).