

Installation guide

Pre-programmed Controller MCX15B2 for IPS 8

Replacement of MCX controller



Prior to disconnect and remove the old MCX controller it is important to depressurize the ammonia side of the purger unit by following these steps (see fig. 1)

1. Close all supply lines from the purge points of the ammonia system **(a)**
2. Restart the controller to force pump-down
3. Wait for 20 minutes
4. Stop the compressor and other connected devices by switching OFF:
IPS variants:
084H5001, IPS 8, CE, 230 V AC, 1ph, 50 Hz
084H5002, IPS 8, 230 V AC, 1ph, 60 Hz
4a) Operate QM1: Thermal magnetic miniature circuit breaker - See Fig. 2a
084H5003, IPS 8, UL 230 V AC, 1ph, 60 Hz
4b) Operate Thermal magnetic miniature circuit breakers - See Fig. 2b
11QF1
11QF2
11QF3
12QF4
5. Close the SVA shut-off valve in the drain line (located under the IPS8 **(b)**)
6. Release the remaining system pressure to ambient pressure by opening the SNV drain valve **(c)**. This can also be done by attaching a permanent magnet on the built-in Main Purge valve (YV1 - AKVA 10) valve, for forced opening.

Exchange of MCX15B2 controller**Switch OFF:****IPS variants:**

084H5001, IPS 8, CE, 230 V AC, 1ph, 50 Hz

084H5002, IPS 8, 230 V AC, 1ph, 60 Hz

- 6a) Operate Thermal magnetic miniature circuit breaker - See Fig. 2a

QM2

QM3

QM4

084H5003, IPS 8, UL 230 V AC, 1ph, 60 Hz

- 6b) Operate Thermal magnetic miniature circuit breakers - See Fig. 2b

14QF5

14QF6

14QF9

- 6c) Release MCX15B2 controller. See Fig. 3

- 6d) Unplug all connectors upper level. See Fig. 3

- 6e) Unplug all connectors lower level. See Fig. 4

- 6f) Remove old MCX15B2 and install new MCX15B2 and replug all connectors again on both upper and lower level.

Setting of new MCX15B2 controller**IPS variants:**

084H5001, IPS 8, CE, 230 V AC, 1ph, 50 Hz

084H5002, IPS 8, 230 V AC, 1ph, 60 Hz

- Operate Thermal magnetic miniature circuit breaker - See Fig. 2a

QM4 - Power to MCX15B2 controller

084H5003, IPS 8, UL 230 V AC, 1ph, 60Hz

- Operate Thermal magnetic miniature circuit breakers - See Fig. 2b

14QF9 - Power to MCX15B2 controller

- 1) Enter password 200 (Main screen\Start\Login\ and enter password).
- 2) Enter number of Purge point in question for the particular application (Main screen\Parameters\Unit config\Valve settings\ and enter the valve in Parameter V10, Max_PP).
- 3) See general IPS User Guide/Start Up instruction. The pre-programmed MCX15B2 (code number **084H5067**) is plug & play ready, and only where customer specific settings are applicable, these values must additional be entered into MCX15B2.

Switch ON again remaining Thermal magnetic miniature circuit breakers**IPS variants:**

084H5001, IPS 8, CE, 230 V AC, 1ph, 50 Hz

084H5002, IPS 8, 230 V AC, 1ph, 60 Hz

QM1

QM2

QM3

084H5003, IPS 8, UL 230 V AC, 1ph, 60 Hz

11QF1

11QF2

11QF3

12QF4

14QF5

14QF6

148R9658

148R9658

Імпортёр: ТОВ з іі "Данфосс ТОВ" 04080, Київ 80, п/с 168, Україна

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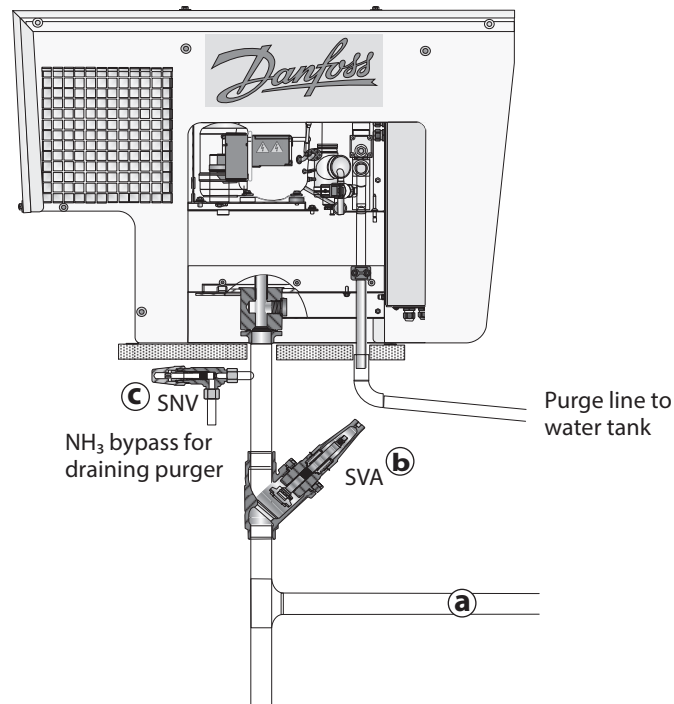


Fig. 1

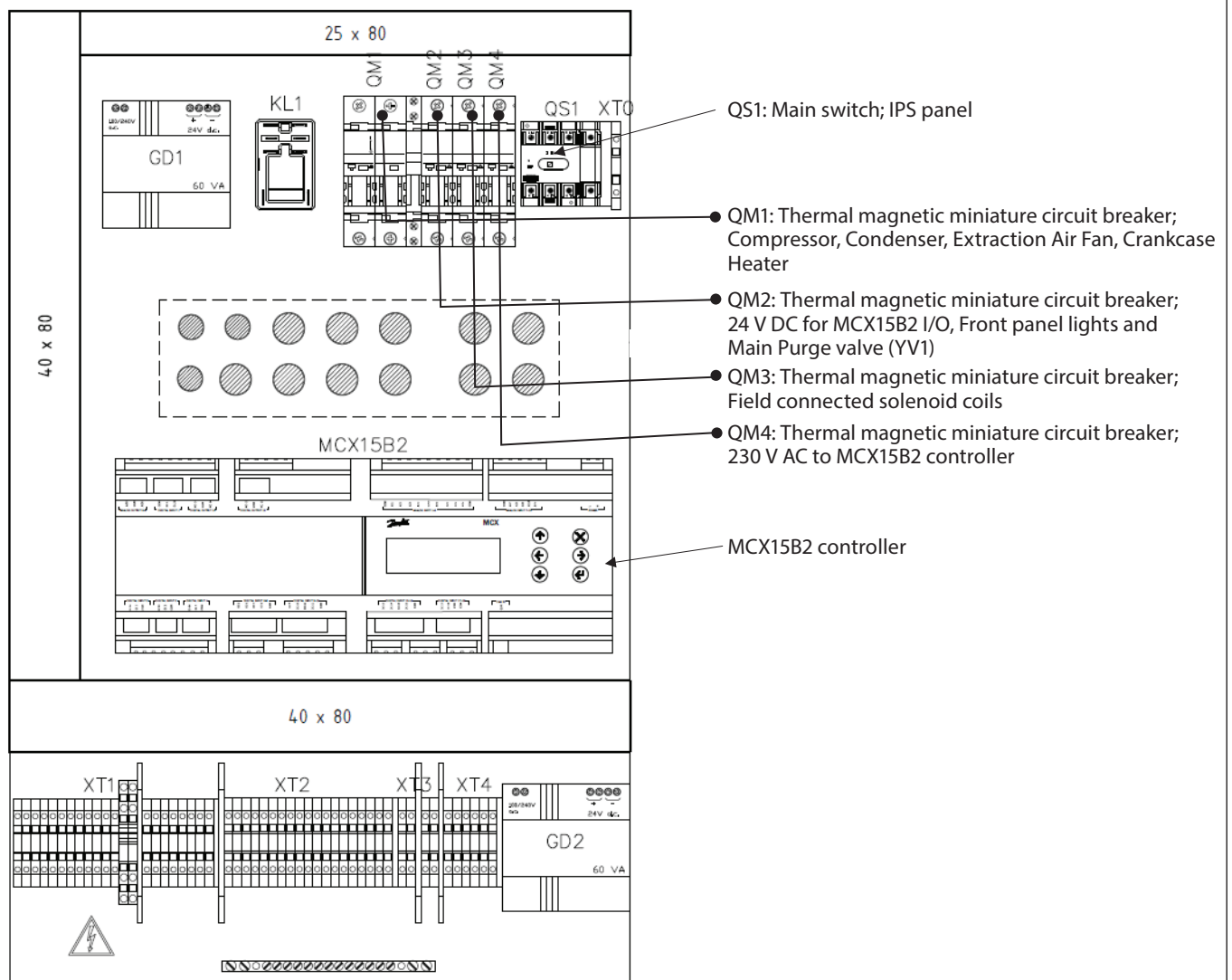
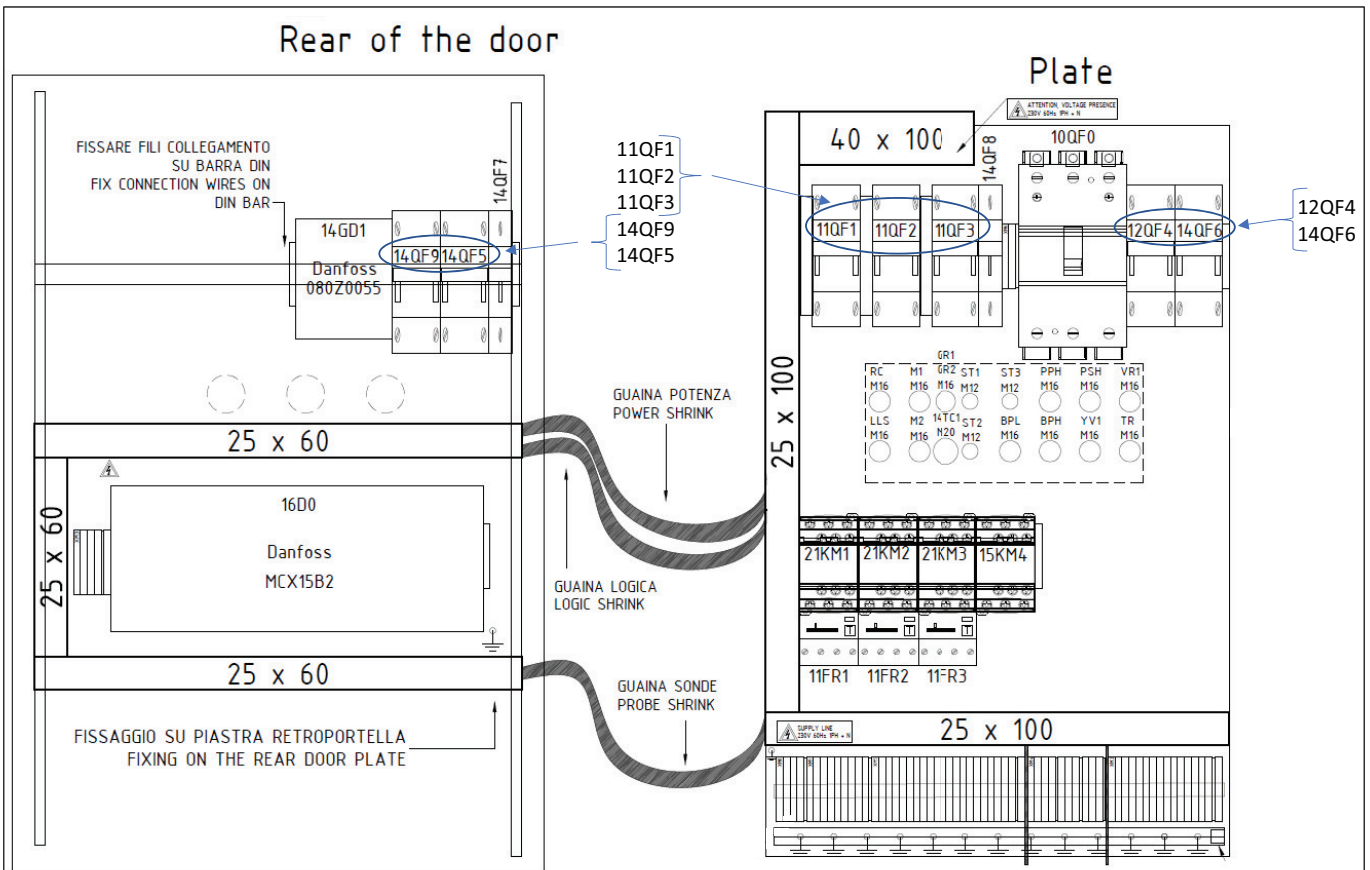
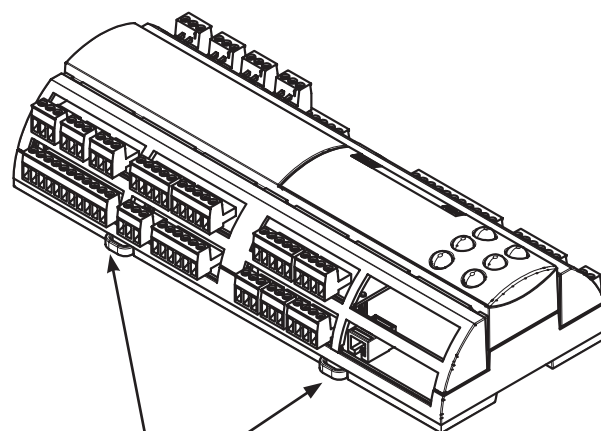


Fig. 2a



- 11QF1: Compressor
- 11QF2: Fan
- 11QF3: Condenser
- 12QF4: Heater
- 14QF5: 24 DC for I/O, Front panel lights and Main Purge valve (YV1)
- 14QF6: Field connected solenoids
- 14QF9: Power supply MCX15B2

Fig. 2b



Rail lock:
Pull to release controller
from suspension rail

Fig. 3

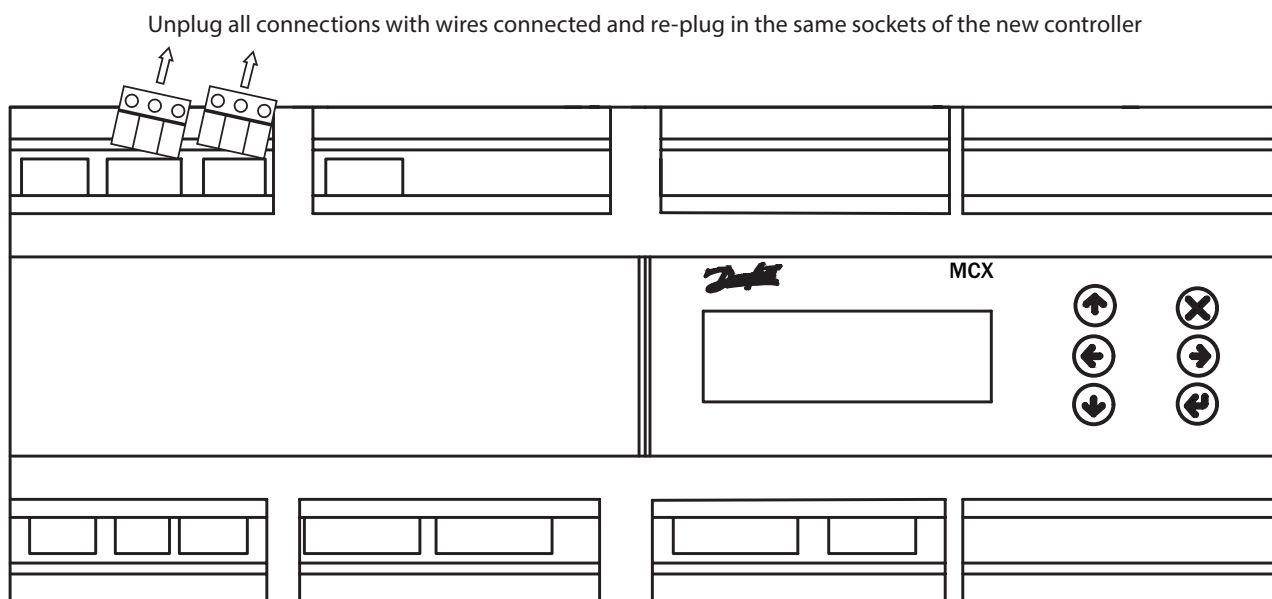


Fig. 4 . Controller Upper level

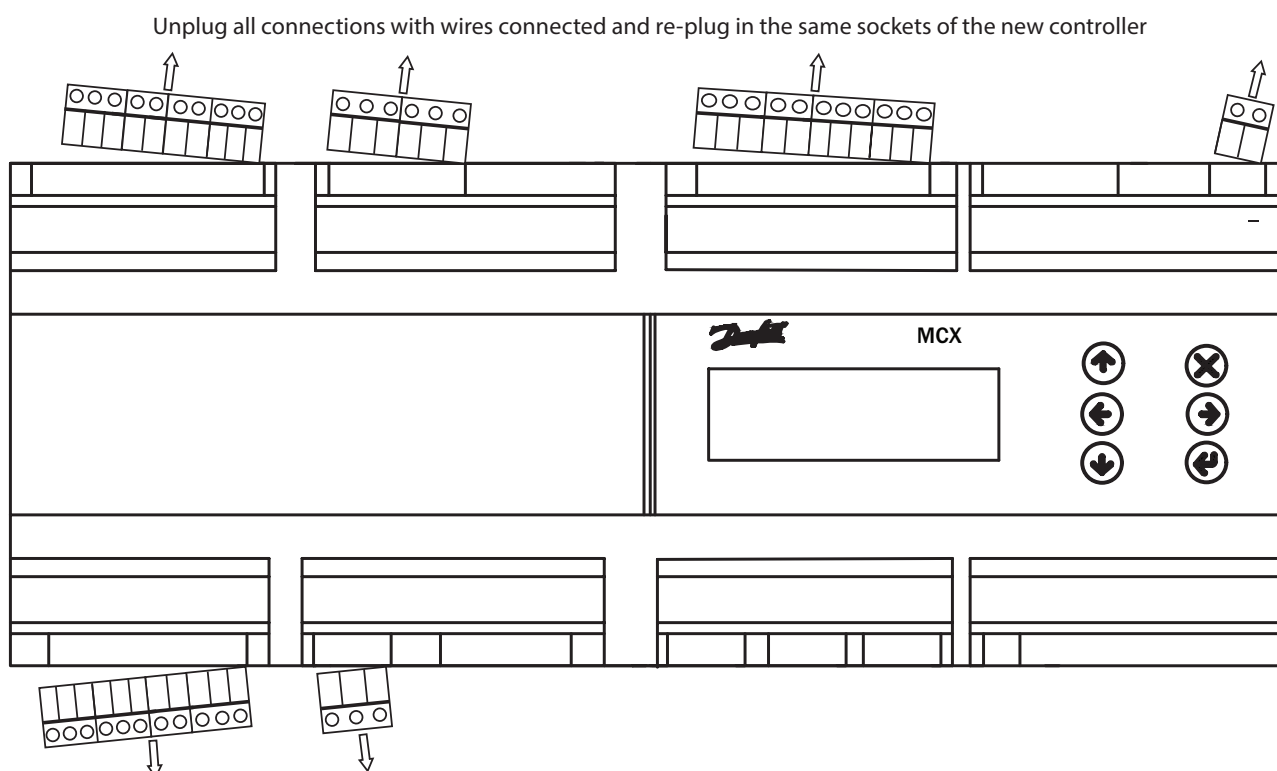


Fig. 5 Controller Lower level

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