

Installation guide

IPS 8 extension module | 080G5040

Type **MCX08M2**



Introduction

The IPS 8 extension module is always connected via CANbus, back to IPS with MCX15B2. The IPS 8 extension module includes 8 Digital Output which then give up to 8 additional Purge Points.



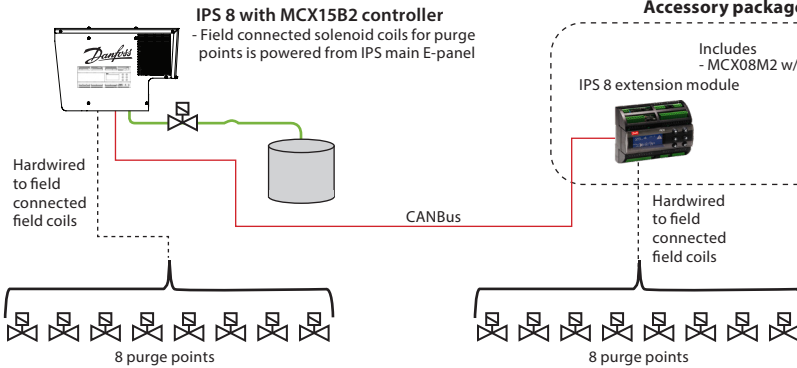
More info

Reference: For details please refer data sheet Programmable controller, 8 relays, type MCX08M2

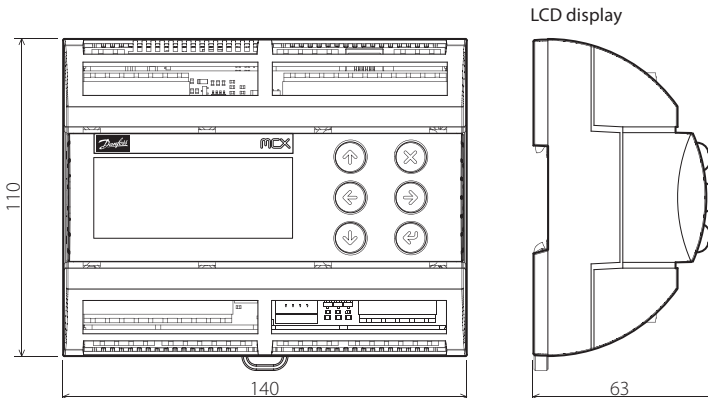
Applications

IPS 8 with MCX15B2 controller

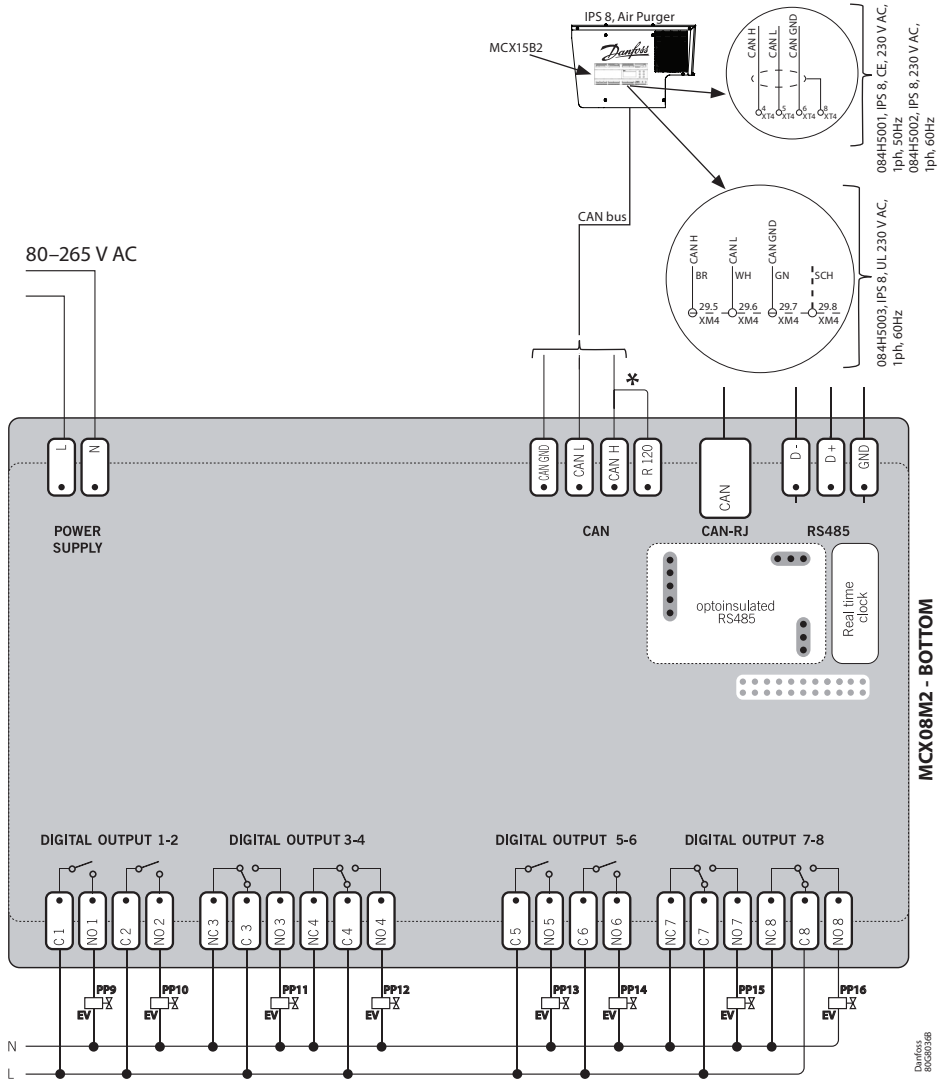
Accessory package allowing extra Purge Points



Dimension IPS 8



Bottom board



Connectors	Type	Dimensions
Power supply connector	2 way screw plug-in connector type	- pitch 5 mm - section cable 0.2–2.5 mm²
CAN connector	4 way screw plug-in connector type	- pitch 5 mm - section cable 0.2–2.5 mm²
Digital output 1-8 connector	4 way screw plug-in connector type	- pitch 5 mm - section cable 0.2–2.5 mm²

General features	
Features	Description
Power supply	80 – 265 V AC, 50/60 Hz Maximum power consumption: 20 W A Insulation between power supply and the extra-low voltage: reinforced
Plastic housing	DIN rail mounting complying with EN 60715 Self extinguishing V0 according to IEC 60695-11-10 and glowing / hot wire test at 960 °C according to IEC 60695-2-12
Ball test	125 °C according to IEC 60730-1 Leakage current: ≥ 250 V according to IEC 60112
Operating conditions	CE: -20T60 / UL: 0T55, 90% RH non-condensing
Storage conditions	-30T80, 90% RH non-condensing
Integration	In Class I and / or II appliances
Index of protection	IP40 only on the front cover
Period of electric stress across insulating parts	Long
Resistance to heat and fire	Category D
Immunity against voltage surges	Category II
Software class and structure	Class A

Digital outputs

Type	Num	Specifications
Relay	8	Insulation between relay: functional Insulation between relays and the extra-low voltage parts: reinforced Total current load limit: 32 A C1-NO1, C2-NO2 High inrush current (80 A–20 ms) normally open contact relays 16 A Characteristics of each relay: • 10 A 250 V AC for resistive loads - 100.000 cycles • 3.5 A 230 V AC for inductive loads - 230.000 cycles with $\cos(\phi) = 0.5$ C5-NO5, C6-NO6 Normally open contact relays 8 A Characteristics of each relay: • 6 A 250 V AC for resistive loads - 100.000 cycles • 4 A 250 V AC for inductive loads - 100.000 cycles with $\cos(\phi) = 0.6$ Option for code 080G0314: • SPST SSR type • 0.5 A 250 V AC resistive load (115 W) C3-NO3-NC3, C4-NO4-NC4, C7-NO7-NC7, C8-NO8-NC8 Changeover contacts relay 8 A Characteristics of each relay: • 6 A 250 V AC for resistive loads - 100.000 cycles • 4 A 250 V AC for inductive loads - 100.000 cycles with $\cos(\phi) = 0.6$

IPS 8 extension module - Main screen

Serial setting:

ID: 125 - expansion module address 125
ComS: 34800 - expansion module baud rate 34800
IPSB ID: 1- main controller address 1

```
IPS 8 Expansion 8.102
ID:125 C S: 50K11-28
ComS: 34800-8E1
IPS 8 ID: 1
```

IPS 8 with MCX15B2 controller - settings

All settings are configured in the main controller

A. How to activate Expansion module?

«Main Menu» → «Start» → «Main switch OFF» →
«Main menu» → «Login» → «Password 200» →
«General» → «Expansion settings» → «Yes» →
«Main Menu» → «Start» → «Main switch OFF»

Enable expansion

Ex1 YES

B. How to change the number of purge points?

«Main Menu» → «Start» → «Main switch OFF» →
«Main menu» → «Login» → «Password 200» →
«Parameters» → «Unit config» → «Valve settings» →
«Max PP ...» → «Main Menu» → «Start» →
«Main switch OFF»

Max_PP

V10 16

C. How to reconfigure Digital output?

For example: DO23 as valve 16.

«Main Menu» → «Start» → «Main switch OFF» →
«Main menu» → «Login» → «Password 200» →
«Input/output» → «I/O Configuration» →
«Valve settings» → «Digital output» →
«Digital output 23» → «Valve 16» →
«Main Menu» → «Start» → «Main switch OFF»

DOOutput: 23

Valve16
P: N.O.

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