# Programming key
# MMIMYK

Electronic controller suitable for all HVAC/R software application needs.

# Description

MMIMYK is the advanced "all in one" device that performs up to three different functions. It has a bright graphic display and a keyboard that enable to configure the module to run several functions. It has also a slot for SD/MMC card (Multi Media Card) to extend the memory capacity.

## Features & Benefits

- Full graphic OLED display, 128 x 64 dots resolution
- Easy connection to MCX CANbus network through telephone plug
- SD/MMC card slot for easy software upload and datalogging
- Modbus RS485 serial interface
- Powered by the MCX which it is connected to or the other way round
- Can execute an application like any MCX device
- Dimensions 105 x 72 mm
- Mounting DIN rail or portable

## Product code numbers

| Product Type | Product Name Description | Communication type | Further information | Packing format | Quantity per packing format | Code number |
|---|---|---|---|---|---|---|
| MMIMYK | Programming Key | MODBUS | Memory card, data logger | Single pack | 1 | 080G0073 |

# Product details

## General data

**Table: General features**

| Features | Description |
|---|---|
| Power supply | From the MCX through the RJ12 telephone connector |
| | 12 V DC (from DC connector) |
| | 24 V AC SELV (from screw plug-in connector type pitch 3.5 mm): on this supply it is advisable to use a dedicated transformer 24 V AC - 10 V A. It is mandatory if MMIMYK is connected to devices without insulation between power supply and extra- low voltage such as EXD316. |
| | From USB 2.0 (maximum 500 mA) |
| Plastic housing | DIN rail mounting complying with EN 60715 |
| Ball test | 125 °C according to IEC 60730-1<br>Leakage current: ≥250 V according to IEC 60112 |
| Operating conditions | CE: -20T60, 90% RH non-condensing |
| Storage conditions | -30T80, 90% RH non-condensing |
| Integration | In Class I and / or II appliances |
| Index of protection | IP20 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 I |
| Software class and structure | Class A |

## Dimensions & weights

**Figure: Dimensions**
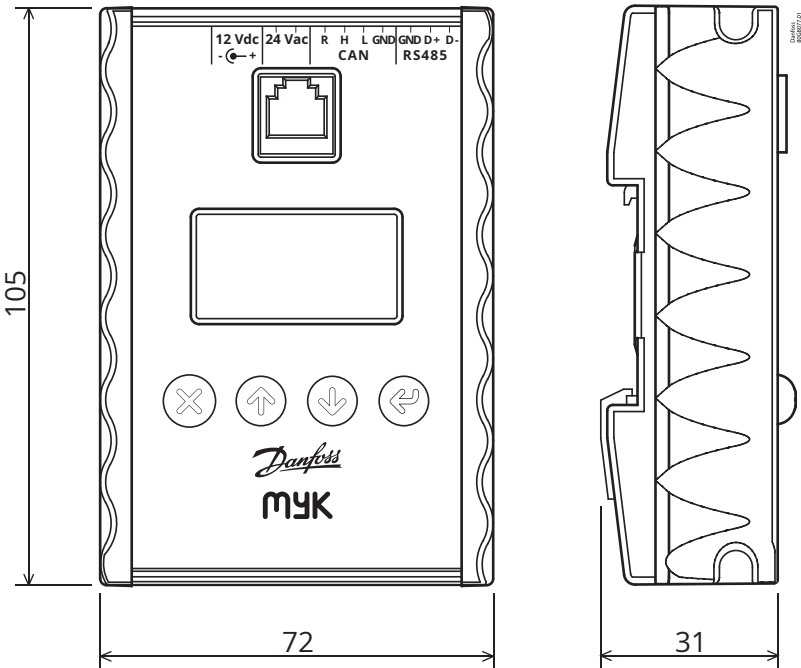


## User Interface

**Table: User Interface**

| Type | Features | Description |
|---|---|---|
| OLED display | Display | Graphic OLED |
| | Format | 128 x 64 dots |
| | Active visible area | 35 x 17.5 mm |
| Keyboard | Number of keys | 4 |
| | Keys function | Set by the application software |
| Memory | Internal | 2 MB |
| | SD/MMC | Expansion slot (SD/Multi Media Card) up to 2 GB |

## Connections

### Figure: Connection ports of MYK

If powered by 24 Vac then it is mandatory to use a dedicated transformer ⚠

POWER SUPPLY 12 V DC
POWER SUPPLY 24 V AC

CAN-RJ

SD/MMC CARD

MINI USB

CANBus
RS485

Danfoss 80G80076.01
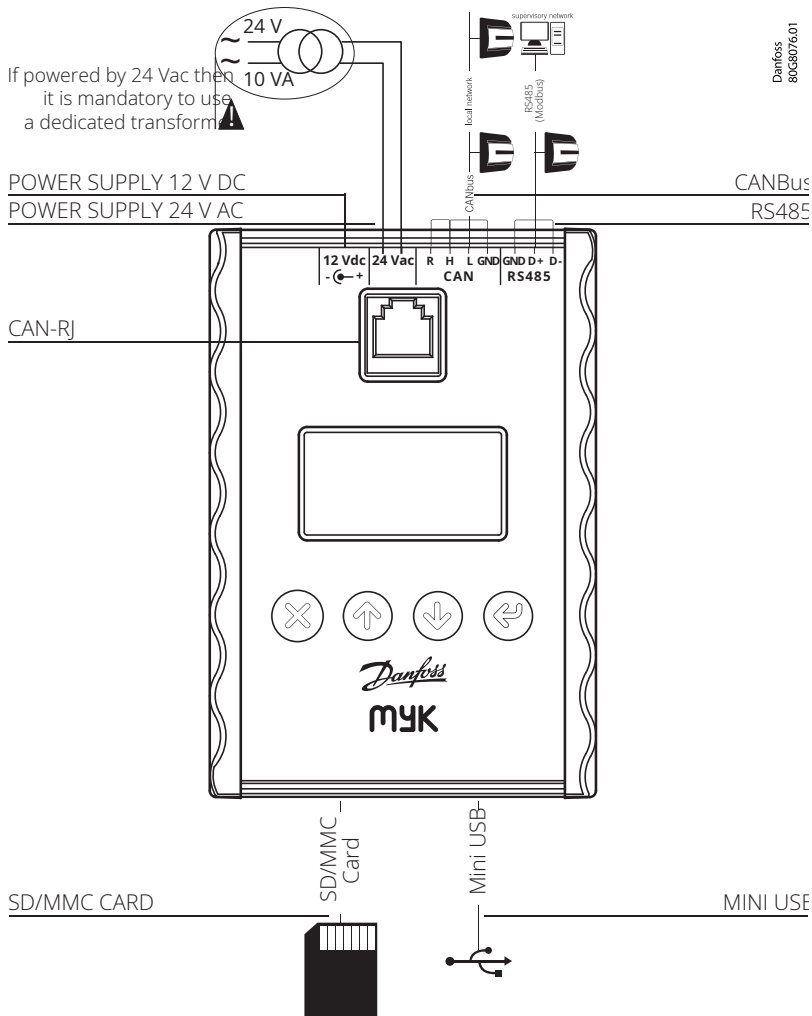
### Figure: Connection MYK - MCX



Danfoss 80G80075.01
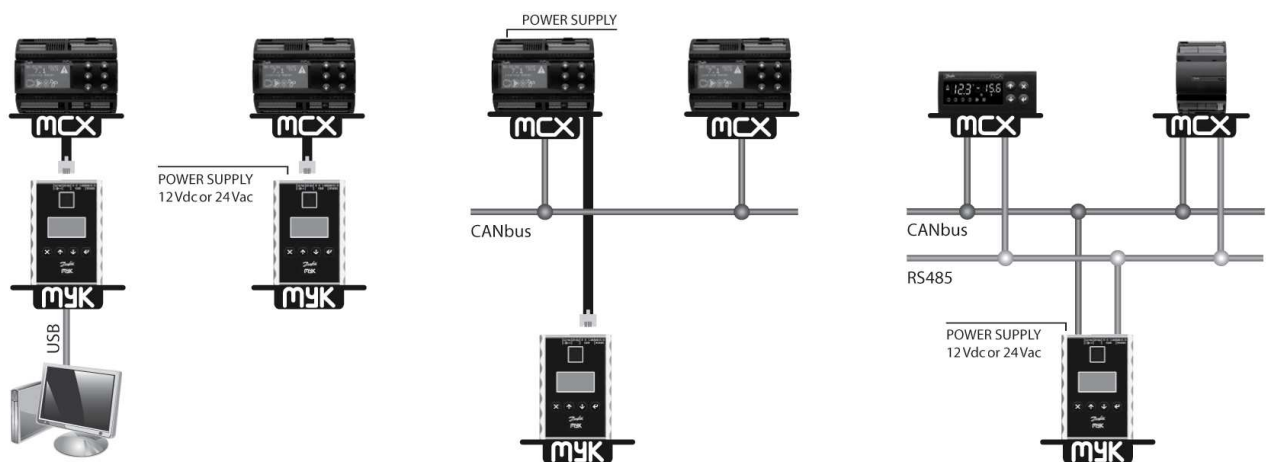
**Table: Connection**

| Connectors | Type | Dimensions |
|---|---|---|
| CAN-RJ connector | 6/6 way telephone RJ12 plug type | • pitch 2 mm |
| Power supply connector | DC Jack type | • Ø 3.5 x 1.3 mm |
| Power supply 24 V AC connector | 2 way screw plug-in connector type | • pitch 3.5 mm<br>• section cable 0.08 – 1.5 mm² |
| CAN connector | 4 way screw plug-in connector type | • pitch 3.5 mm<br>• section cable 0.08 – 1.5 mm² |
| RS485 connector | 3 way screw plug-in connector type | • pitch 3.5 mm<br>• section cable 0.08 – 1.5 mm² |
| USB connector | Mini type B | |
| SD/MMC connector | For memory card SD/MMC type | • up to 2 GB |

# Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

| Approval type | Title | Certification body | Approval topic |
|---|---|---|---|
| EU-UK Declaration | Danfoss EU-UK 080R1227.03 | Danfoss | EMC |
| Manufacturer's Declaration | Danfoss MD 080R0815.02 | Danfoss | EAEU RoHS |
| UA Declaration | UA 2024-06-27 electr protection units for compressors | Danfoss | LVD |
| UA Declaration | Danfoss UA 8537 | Danfoss | UA RoHS |
| Electrical Safety Certificate | UL E31024 | UL - Underwriters Laboratories inc. | |
| Export Control Declaration | MCX programmable controller accessories | Danfoss | |

# Contact details

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