

Danfoss AK-XM 205B Extension Module Instructions



REFRIGERATION AND AIR CONDITIONING

Contents

- [1 Instructions](#)
 - [1.1 AK-XM 205B](#)
- [2 Documents / Resources](#)
 - [2.1 References](#)
- [3 Related Posts](#)

Instructions

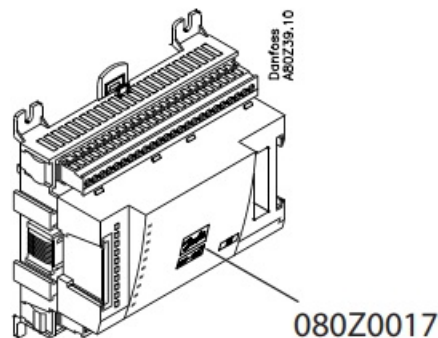
AK-XM 205B

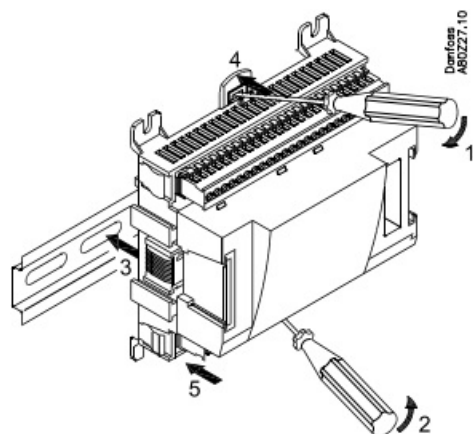
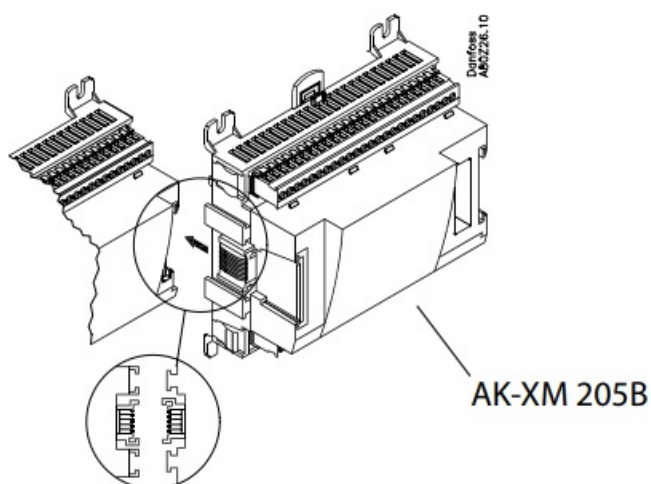
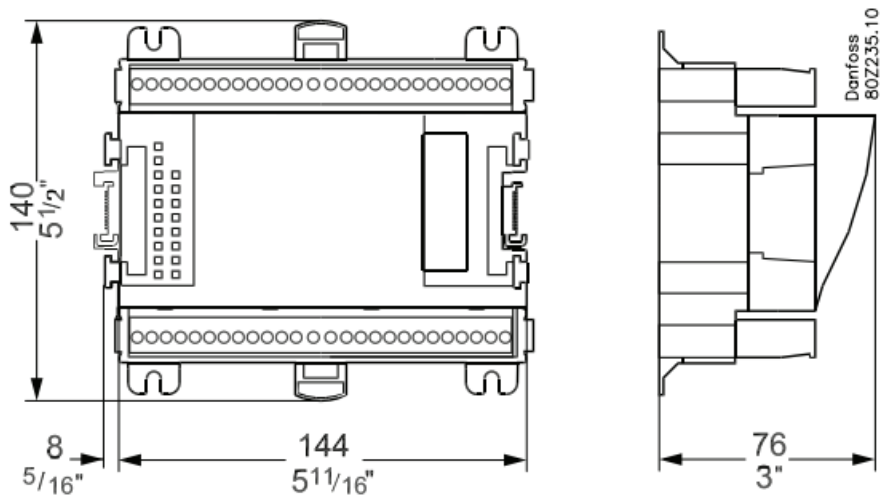


080R9218



RI8HM602





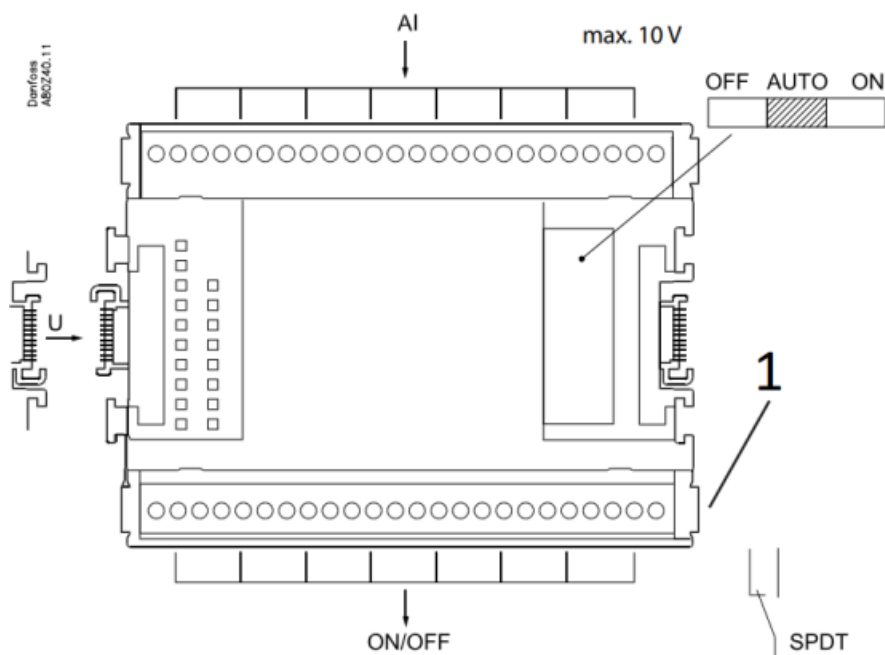
$-20^{\circ} < t_{\text{amb}} < 55^{\circ}\text{C}$
 $-0^{\circ}\text{F} < t_{\text{amb}} < 130^{\circ}\text{F}$
 0 – 95% RH, non condensing
 IP10 / VBG4
 UL: E357029



Warning

Ensure power is disconnected before adding or removing Modules

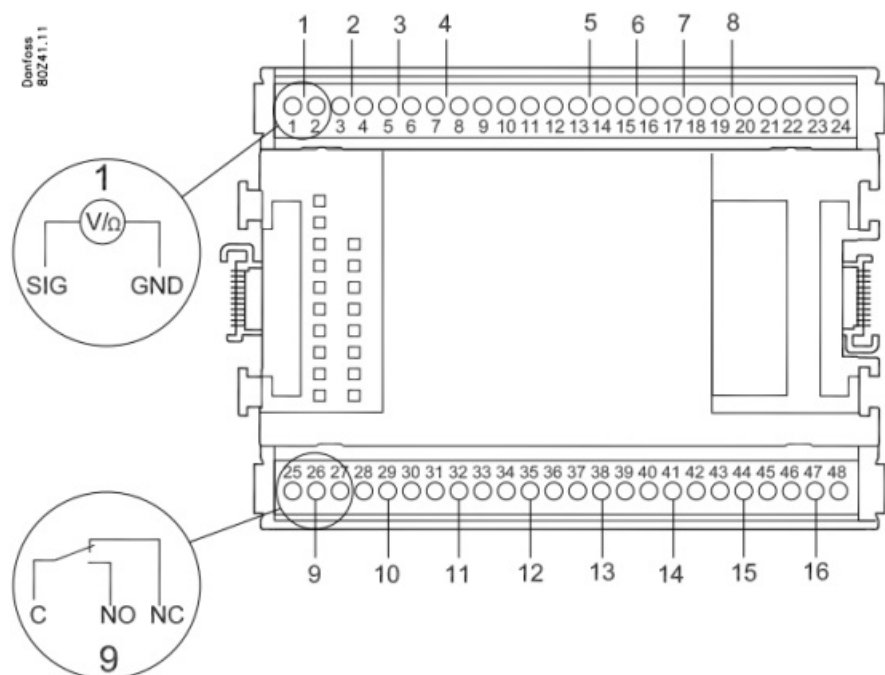
AI x 8
DO x 8



Max. 230 V
AC-1: max. 4 A (ohmic)
AC-15: max. 3 A (Inductive)

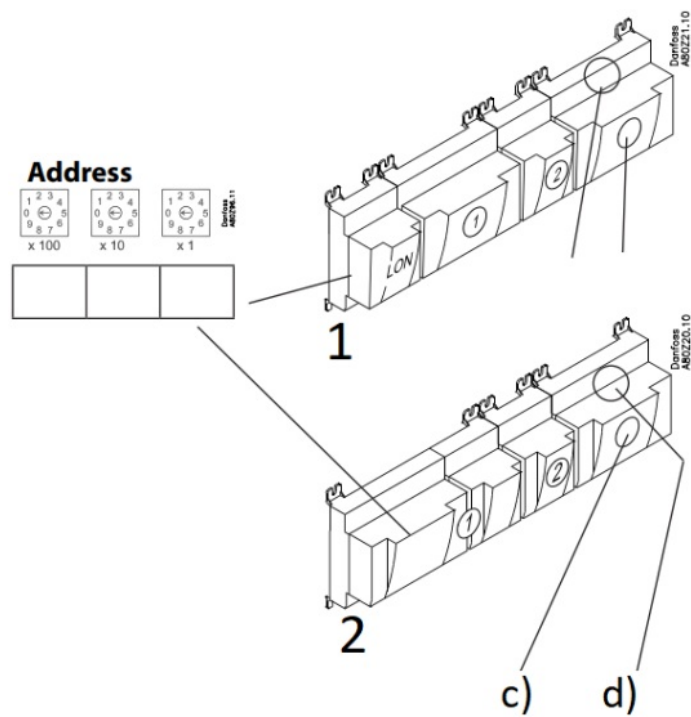
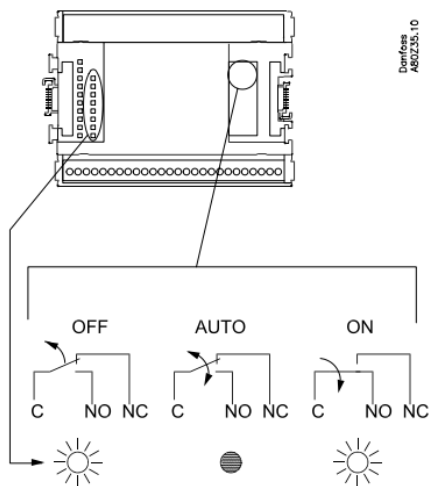
1. Keep the safety distance Low and high voltage must not be connected to the same output group

Point



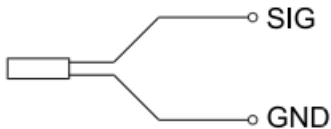
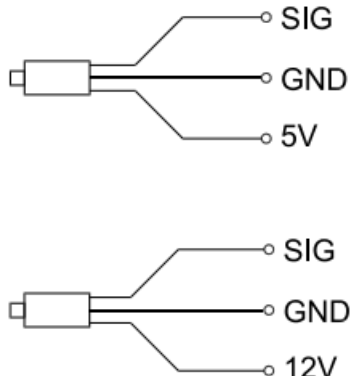
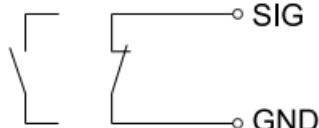
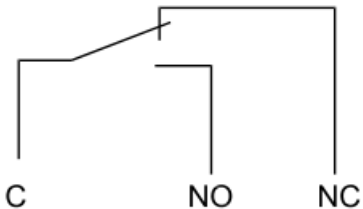
Terminal 9: 12 V
Terminal 10: 5 V
Terminal 21: 12 V
Terminal 22: 5 V
Terminal 11, 12, 23, 24 : 6

Override (off / Auto / on)



1. (Communication module)

2. (Controller)

	Signal ^{a)}	Signal type ^{b)}
S (sensor) Pt 1000 ohm/0°C 	S1 S2 Saux1 Saux2 SSA SdA	Pt 1000
P (pressure) AKS 32R AKS 2050 AKS 32 	P0A P0B PcA PcB Paux	AKS 32R AKS 2050 MBS 8250 -1 – xx barAKS 32 -1 – zz bar
U (voltage) + ——— SIG - ——— GND	...	0 – 5 V 0 – 10 V
On/Off 	Ext. Main switch Day/Night Door	Active at: Closed / Open
DO 	Comp 1 Comp 2 Fan 1 Alarm	Active at: ON / OFF

Signal ^{a)}	Signal type ^{b)} / Active at	Module ^{c)}	Point ^{d)}	Terminal
			1 (AI 1)	1 – 2
			2 (AI 2)	3 – 4
			3 (AI 3)	5 – 6
			4 (AI 4)	7 – 8
			5 (AI 5)	13 – 14
			6 (AI 6)	15 – 16
			7 (AI 7)	17 – 18
			8 (AI 8)	19 – 20
			9 (DO 1)	25-26-27
			10 (DO 2)	28-29-30
			11 (DO 3)	31-32-33
			12 (DO 4)	34-35-36
			13 (DO 5)	37-38-39
			14 (DO6)	40-41-42
			15 (DO7)	43-44-45
			16 (DO8)	46-47-48



The Product contains electrical components And may not be disposed together with domestic waste.
Equipment must be separate collected with Electrical and Electronic waste. According to Local and currently valid legislation

Instructions RI8HM602 © Danfoss 09/2018

AK-XM 205B

Documents / Resources

	Danfoss AK-XM 205B Extension Module [pdf] Instructions AK-XM 205B, RI8HM602 09-2018, AK-XM 205B Extension Module, AK-XM 205B, Extension Module
--	---

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.