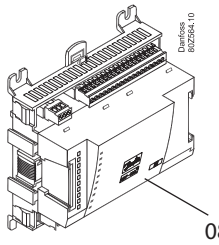
REFRIGERATION AND AIR CONDITIONING

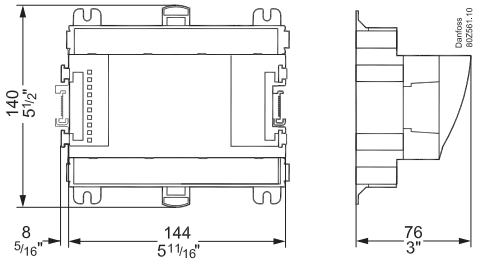
Instructions

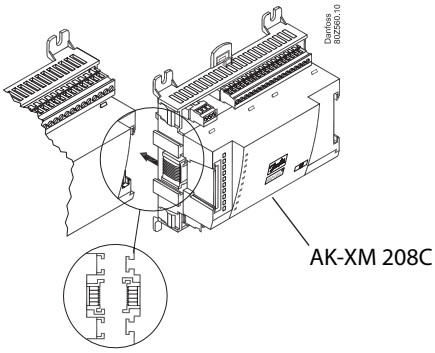
080R9299

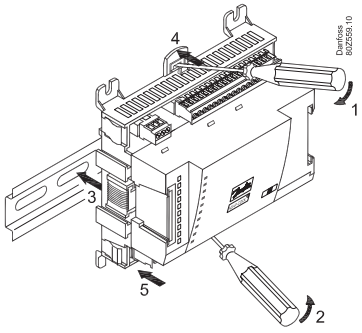
Stepper output module AK-XM 208C

RI8PS502









CE

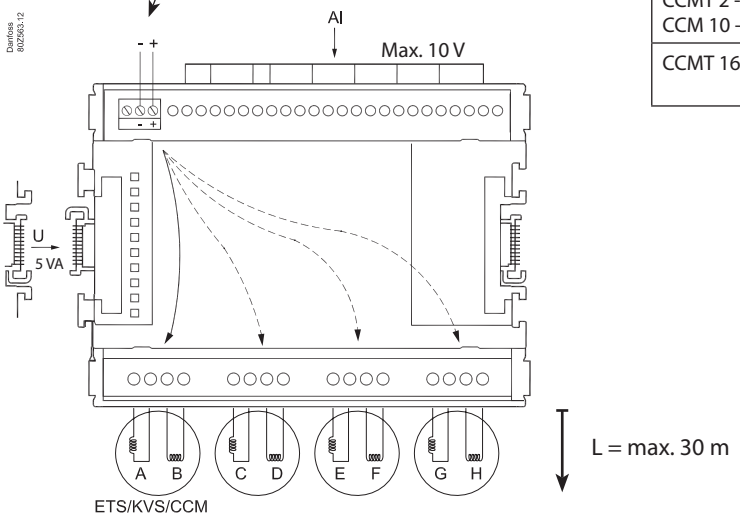
-20°< t_{amb} < 55°C°
-0°F < t_{amb} < 130°F
0 - 95% RH, non condensing
IP10 / VBG4
Controller supply = 5 VA
Valve supply = 7.8 VA + valves

Warning

Ensure power is disconnected before adding or removing Modules

4 x stepper valve output
8 x AI

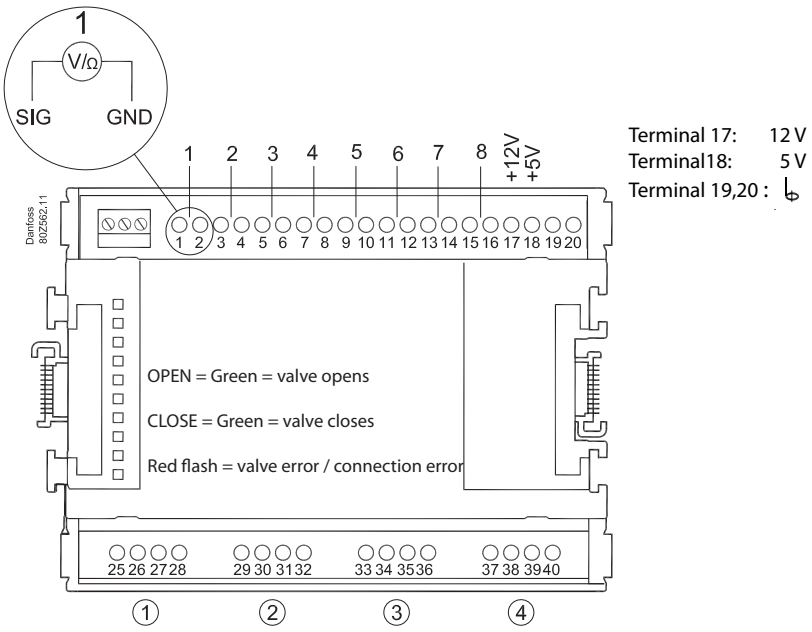
Dedicated power supply to AK-XM 208C:
24 V a.c. / d.c. +/- 20%
xx VA
xx = Eg: 7.8 + (4 x 1.3) = 13 VA ⇨ AK-PS 075
xx = Eg: 7.8 + (3 x 5.1) = 23.1 VA ⇨ AK-PS 150

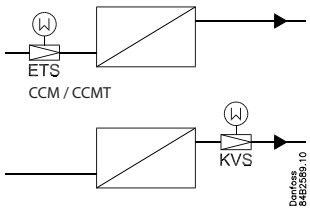


Valve data		AK-XM 208C limitation
Type	**P**	**Σ P_{out} = max. 20 VA**
ETS 12.5 - ETS 400 KVS 15 - KVS 42 CCMT 2 - CCMT 8 CCM 10 - CCM 40	1.3 VA	
CCMT 16 - CCMT 42	5.1 VA	Max. 3 (3 x 5.1 = 15.3 VA) + 1 x 1.3 VA

Output:
24 V d.c.
20-500 step/s
$I_{max.}$ = 800 mA RMS / valve
Σ P_{out} = max. 20 VA

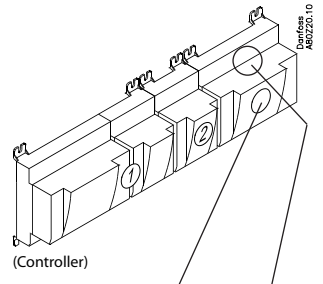
Point





Step / Terminal					
	1	25	26	27	28
	2	29	30	31	32
	3	33	34	35	36
	4	37	38	39	40
ETS		White	Black	Red	Green
CCM / CCMT					
KVS 15		White	Black	Green	Red
KVS 42-54					

	Signal	Signal type
S (sensor) Pt 1000 ohm/0°C SIG GND	S1 S2 Saux1 Saux2 SSA SdA	Pt 1000
P (pressure) AKS 32R AKS 2050 SIG GND 5V AKS 32 SIG GND 12V	P0A P0B PcA PcB Paux	AKS 32R AKS 2050 MBS 8250 -1 - xx bar AKS 32 -1 - zz bar
U (voltage) + SIG – GND	...	0 - 5 V 0 - 10 V
On/Off SIG GI	Ext. Main switch Day/ Night Door	**Active at:** Closed / Open



Signal	Signal type / Active at	Module	Point	Terminal
			1 (AI 1)	**1 - 2**
			2 (AI 2)	**3 - 4**
			3 (AI 3)	**5 - 6**
			4 (AI 4)	**7 - 8**
			5 (AI 5)	**9 - 10**
			6 (AI 6)	**11 - 12**
			7 (AI 7)	**13 - 14**
			8 (AI 8)	**15 - 16**
	Valve			
A B ETS/KVS/CCMT			**9** (Step 1)	**25 - 28**
			10 (Step 2)	**29 - 32**
			11 (Step 3)	**33 - 36**
			12 (Step 4)	**37 - 40**