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MASTER WIRING DIAGRAM

Unit Name

EWAT032CZ(N/P/H)(-/A/B)A1
EWYT032CZ(N/P/H)(-/A/B)A1
EWAT040CZ(N/P/H)(-/A/B)A1
EWYT040CZ(N/P/H)(-/A/B)A1

Type Starting Compressor

VFD

Type Starting Fans

VFD

Power Supply: 400V ~ 3ph+N 50 Hz

Auxiliary Power Supply: 230Vac/24Vdc

Max. Current Electr.Panel: SEE TABLE ON PAGE +WD1-1

Max conditional short-circuit current: 10 kA

Rated short-time current Icw: 1 kA

IP: x4

Ref. Normative: IEC

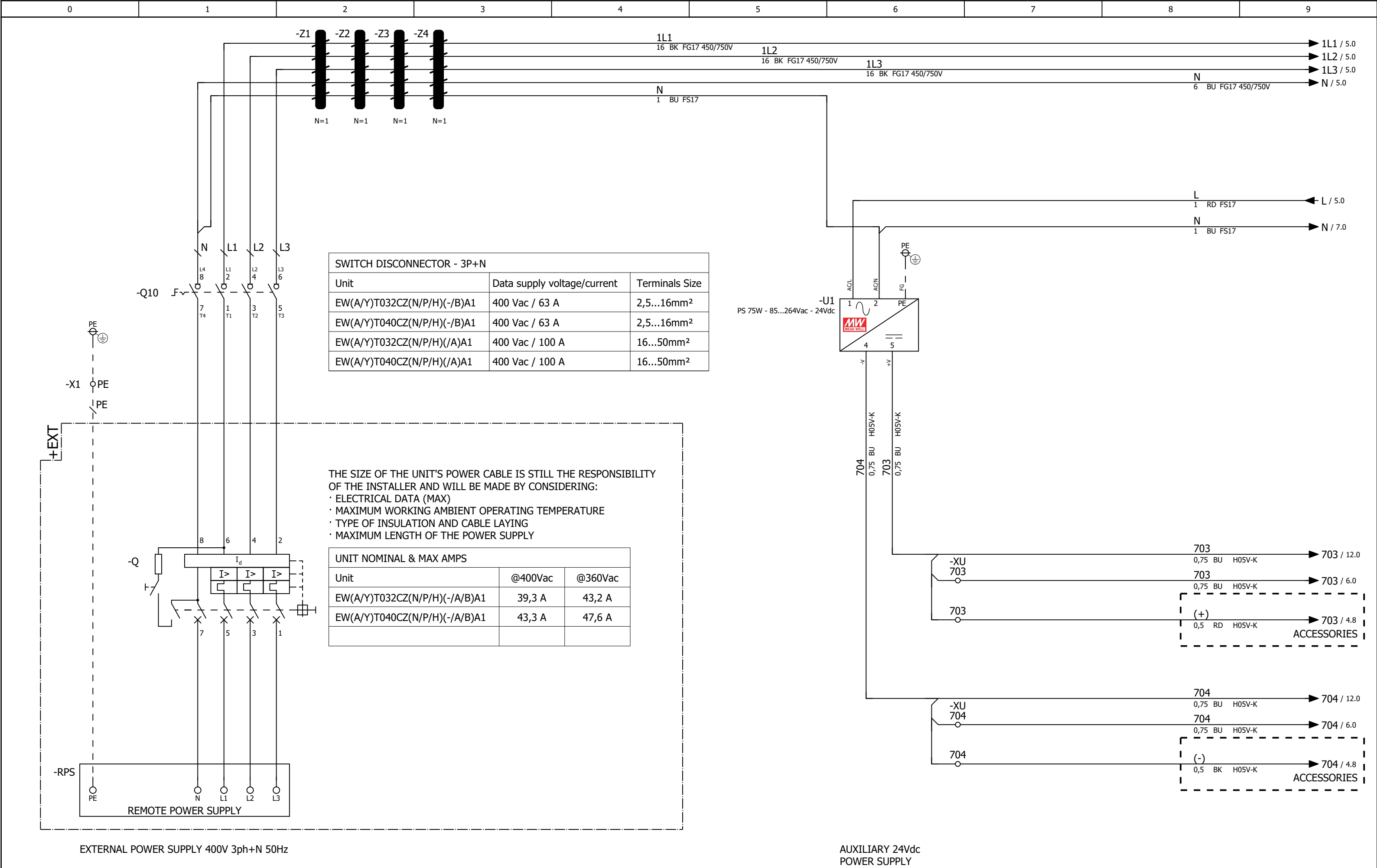
Drawing N°	Revision
EW_T032-040CZ__A1	5
Created	Last Modify
09/06/2021	11/06/2021
Project Manager	Drawn by
Salvatore sulis	alessandro.melaranci
Path/file name	Total page
EW_T032-040CZ__A1	19

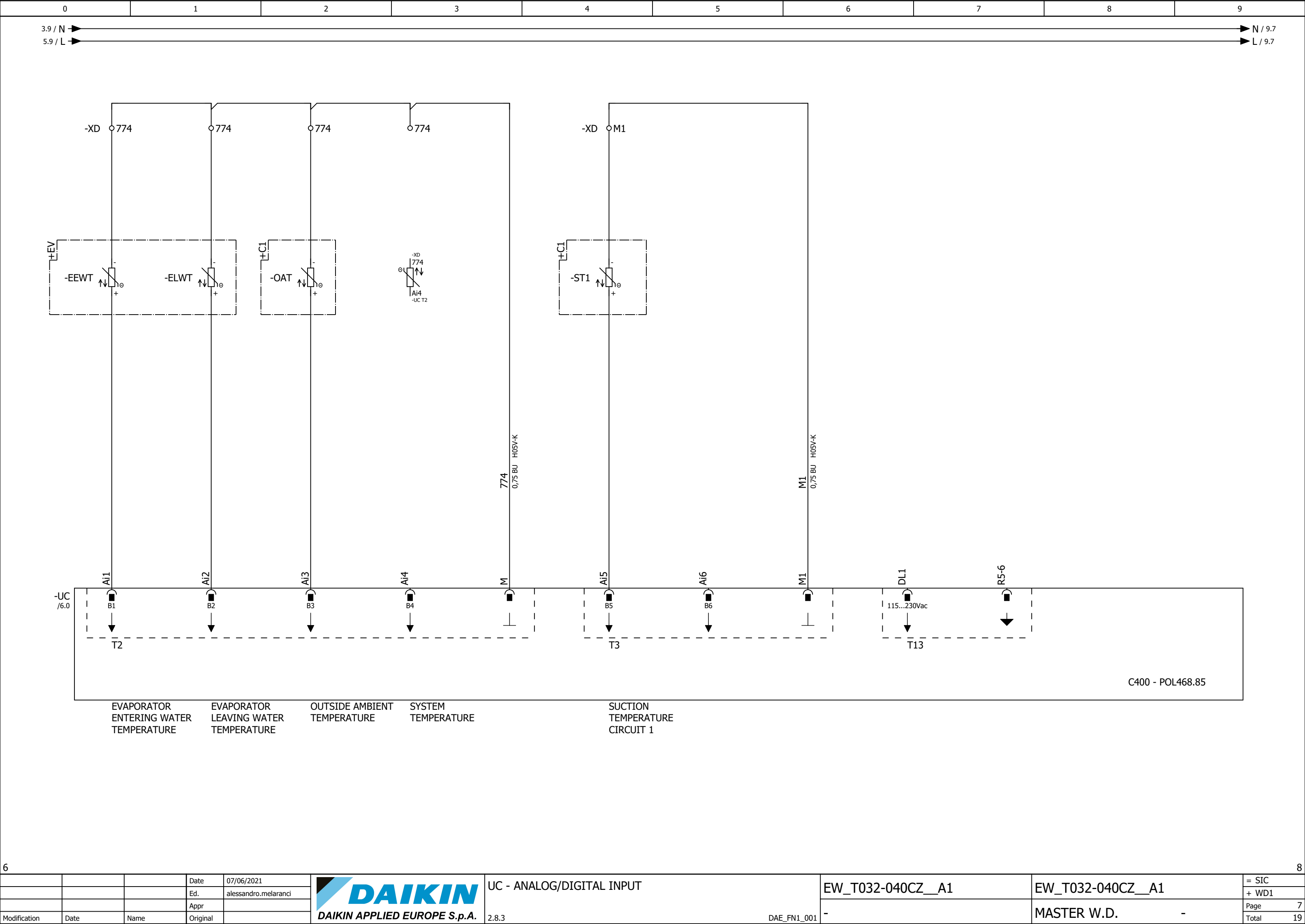
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DAE_F06_002

Higher-level function	Mounting location	Page	Page description
SIC	DOC	1	COVER SHEET
	DOC	2	TABLE OF CONTENTS
	WD1	3	POWER SUPPLY
	WD1	4	PUMP & MODEM DAIKIN ON SITE
	WD1	5	COMPRESSOR & FANS CIRCUIT 1
	WD1	6	UNIT CONTROL POWER SUPPLY / INTERFACE
	WD1	7	UC - ANALOG/DIGITAL INPUT
	WD1	8	UC - ANALOG/DIGITAL INPUT
	WD1	9	UC - ANALOG/DIGITAL OUTPUT
	WD1	10	UC - DIGITAL OUTPUT
	WD1	11	UC - ELECTRONIC EXPANSION VALVE
	WD1	12	I/F COMMUNICATION BOARD
	WD1	13	POWER SUPPLY & ADDITIONAL BOARD ANALOG/DIGITAL INPUT
	WD1	14	ADDITIONAL BOARD ANALOG/DIGITAL OUTPUT
	WD1	15	FIELD WIRING CONNECTION
	DOC	16	DEVICE TAG LIST
	WD1	17	Terminal diagram =SIC+WD1-X1
	WD1	18	Terminal diagram =SIC+WD1-XD
	WD1	19	Terminal diagram =SIC+WD1-XU

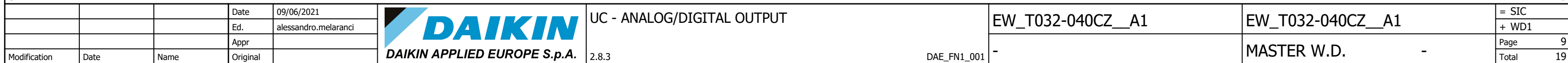
Higher-level function	Mounting location	Page	Page description
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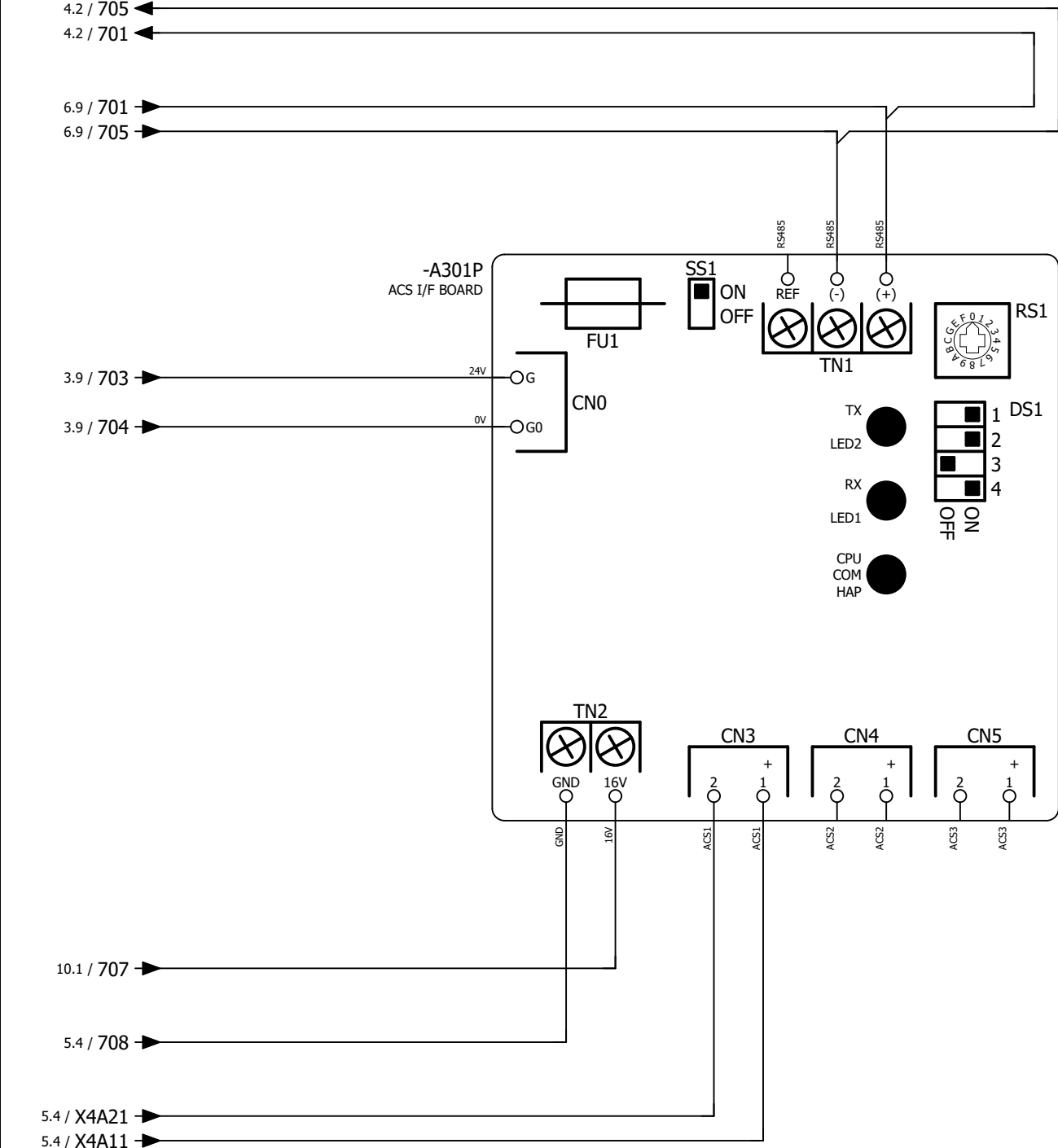




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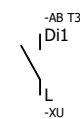
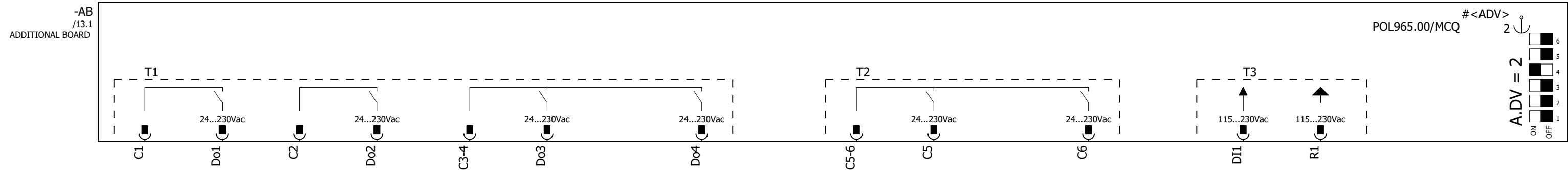


ACS I/F COMMUNICATION BOARD

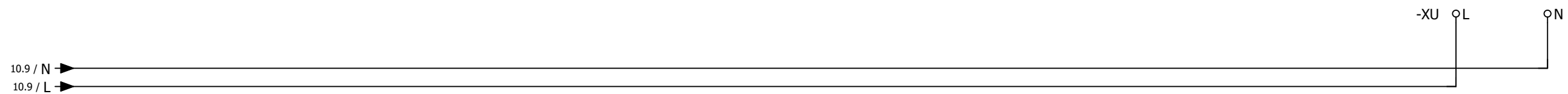
			Date	08/06/2021
			Ed.	alessandro.melaranci
			Appr	
Modification	Date	Name	Original	



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ACCESSORIES



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Field Wiring Connection

DAE_F03_001

Type	Signal description	Function	Page / column		Symbol
Digital input	UNIT ON/OFF SWITCH		8	6	
Digital input	EVAPORATOR FLOW SWITCH	Obligatory	8	6	
Digital input	EXTERNAL ALARM/EMERGENCY STOP	Remove wire jumper 741	8	7	
Digital input	COOL/HEAT SWITCH		8	8	
Analog input	SYSTEM TEMPERATURE PROBE	NTC10K probe	7	3	
Digital output	UNIT ALARM	Max Load 10mA-16Vdc	10	1	
Analog input	DOMESTIC HOT WATER SENSOR	NTC10K probe	13	1	
Analog input	DEMAND LIMIT or CURRENT LIMIT	0 to 10V	13	1	
Analog Input	EVAPORATOR DP (VPF)	Output Signal 0...10Vdc	13	3	
Analog Input	SYSTEM DP (VPF)	Output Signal 0...10Vdc	13	4	
Digital input	DOMESTIC HOT WATER 3 WAY VALVE FEEDBACK OPEN		13	3	
Digital input	DOMESTIC HOT WATER 3 WAY VALVE FEEDBACK CLOSED		13	4	

Type	Signal description	Function	Page / column		Symbol
Analog input		SETPOINT RESET			
		0 to 10V	13	5	
Digital input		LOW NOISE ENABLE	13	6	
Digital input		DOMESTIC HOT WATER ENABLE	13	8	
Digital output		COOLING/HEATING STATE	14	1	
Digital output		DEFROST STATE	14	2	
Digital output		BYPASS VALVE (VFP)	14	3	
		Max Load 2A-230Vac			
Digital output		DOMESTIC HOT WATER 3 WAY VALVE	14	4	
		Max Load 2A-230Vac			
Digital input		DOUBLE SETPOINT	14	7	
Analogic Output		PUMP SPEED			
		0 to10V	9	4	
Digital Output		ON-OFF CONTROL EVAPORATOR PUMP	9	9	

Type	Signal description	Function	Page / column		Symbol

			Date	20/05/2021	 DAIKIN DAIKIN APPLIED EUROPE S.p.A.	FIELD WIRING CONNECTION	EW_T032-040CZ__A1	EW_T032-040CZ__A1	= SIC
			Ed.	alessandro.melaranci					+ WD1
			Appr						Page 15
Modification	Date	Name	Original			2.8.3 DAE_FN1_001	-	MASTER W.D. -	Total 19

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DAE_F13_004

[illegible]

+DOC/16

			Date	20/05/2021	 DAIKIN DAIKIN APPLIED EUROPE S.p.A.	Terminal diagram =SIC+WD1-X1	EW_T032-040CZ__A1	EW_T032-040CZ__A1	= SIC	
			Ed.	alessandro.melaranci					+ WD1	
			Appr						Page 17	
Modification	Date	Name	Original			2.8.3	DAE_FN1_001	-	MASTER W.D. -	Total 19

Terminal diagram				Strip																Cable name																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

