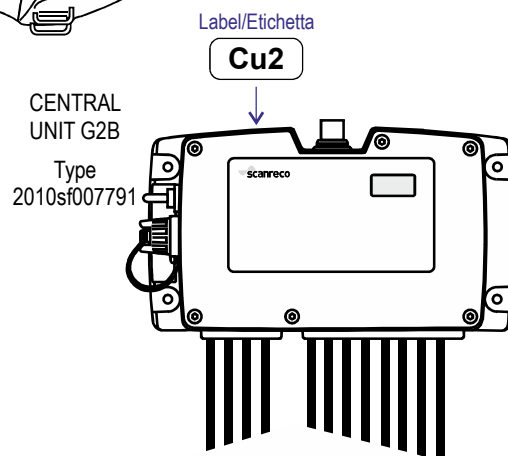
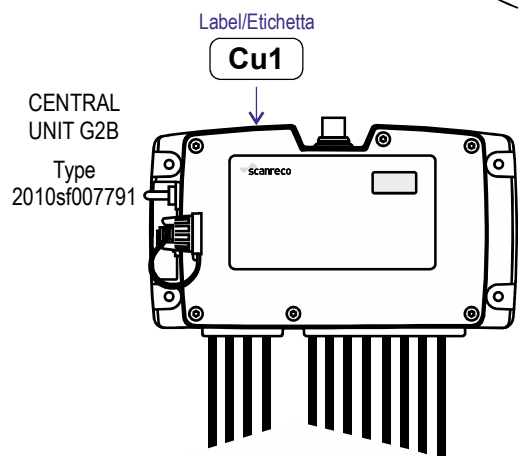
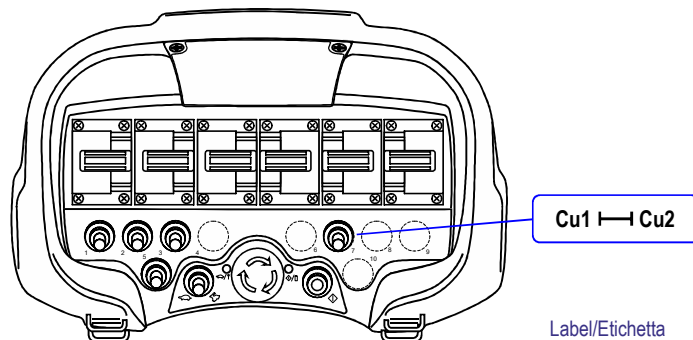


PORTABLE
CONTROL
UNIT
Type SDC0007sf007791



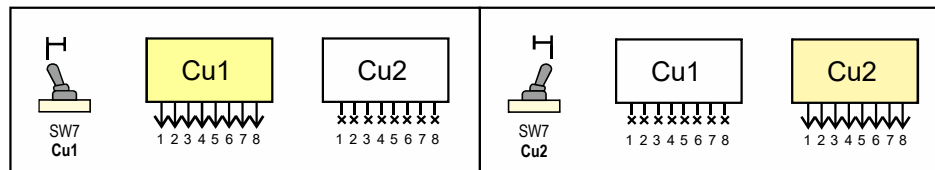
Power supply
AUX

Danfoss proportional modules output with DIN connectors

Power supply
AUX

Danfoss proportional modules output with DIN connectors

OPERATIVE MODES



↓ = function enabled

↓ = function blocked

Battery



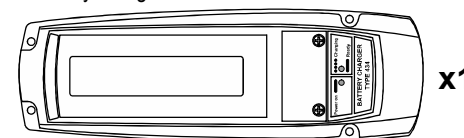
x2

Antenna



x2

Battery charger 12/24Vdc



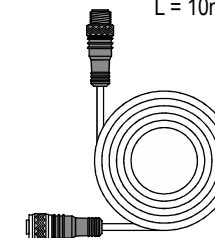
x1

Neck belt



x1

Programming cable
L = 10m



x1

Manual & Documents



ACCESSORIES

scanrecofaber

CODE: **SDC0001sf007791**

CUST. CODE: XXXXX

DESC:	Scanreco RC400/TR02/G2B radio remote control global view with mini PCU and no.2 Central Units with Danfoss outputs
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CUSTOMER:

OK Polonia

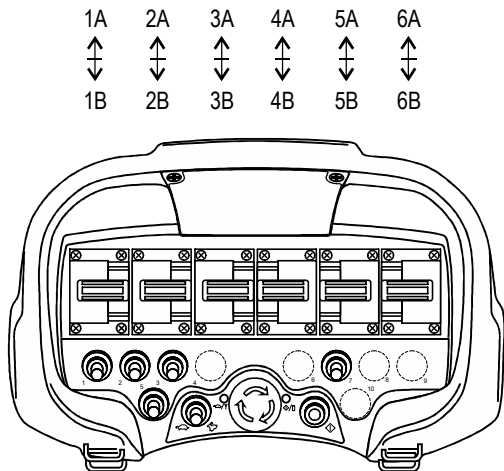
DATE: 26/02/2024

REV.	0
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SHEET	1
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OF

4[illegible]

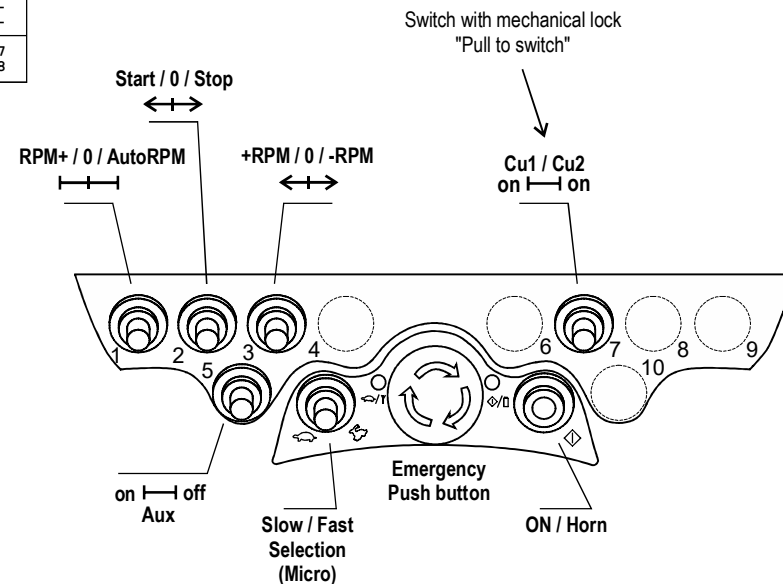


Switch connections

	left/up	center	right/down
SW1:	1 - 0 - 8		
SW2:	2 > 0 < 3		
SW3:	4 > 0 < 5		
SW5:	9+6 - 0		
SW7:	11 - 12		
Legend: H - = detent <-> >/< = spring return			

Outputs map CU-A and CU-B

pos	DF	OUT	pos	DF	OUT
1	1	1	11	10	12
2	3	2	12	11	13
3	4	3	13	12	14
4	7	4	14	13	-
5	31	5	15	9	-
6	5	6	16	8	-
7	32	-	17	37	-
8	2	9	18	34	-
9	6	10	19	35	-
10	33	11	20	36	-
Clacson/Horn			17	7	
Emergency Stop			40	8	



PCU configuration:

- PCU off time = 5 min.
- Disconnect LED activated.
- 5 levels of speed reduction active (Micro).
- Micro (first step): 60%.

CU-A configuration:

- CAN bus:
 - ID 100 - Slave
 - Baud rate 250Kbps.
 - CAN filter active.
 - Error Frame control not active.
 - Termination not active.
- Danfoss modules with single supply.
- Two SETs of speed:
 - SET1 multifunction.
 - SET2 monofunction with reduced speed (WMB mode = work man basket).
 - SET2 is selected when Ex1.10 wire is not connected to Ex1.11 wire.
 - Zero position requested for levers to come back from SET2 to SET1.
- Multi Operation Mode active, two way mode.
- Functions 1-2-3-4-5-6-7-8 blocked when CU-B is selected (SW7 to the right), DV output is not enabled; zero position requested for levers to release the block.

CU-B configuration:

- CAN bus:
 - ID 100 - Slave
 - Baud rate 250Kbps.
 - CAN filter active.
 - Error Frame control not active.

- Termination not active.
- Danfoss modules with single supply.
- Two SETs of speed:
 - SET1 multifunction.
 - SET2 monofunction with reduced speed (WMB mode = work man basket).
 - SET2 is selected when Ex1.10 wire is not connected to Ex1.11 wire.
 - Zero position requested for levers to come back from SET2 to SET1.
- Multi Operation Mode active, single way mode.
- Functions 1-2-3-4-5-6-7-8 blocked when CU-A is selected (SW7 to the left), DV output is not enabled; zero position requested for levers to release the block.

Proportional outputs:

- Ratiometric, range 25-50-75% of the supply voltage.
- A direction: from 50% to 25%.
- B direction: from 50% to 75%.

Digital outputs:

- Maximum current: 1.8A.
- The digital outputs are always enabled in both Central Units.

DV outputs:

- Activated with proportional Levers/Joysticks.
- Maximum current: 2A.
- DV delay off: 0.5 sec.

General information:

- The programming cable is used to bypass radio mode or to program the radio remote control.
- Working frequency (Europe): 434.050 - 434.550 Mhz.
- Make pairing procedure with all CUs.
- For all other radio remote control information, see the "User manual".

AutoRPM working switch description:

- When SW1 is on RPM+ (left position) output Out1 remains always ON.
- When SW1 is on AutoRPM (right position) output Out9 is ON while output Out1 turns ON only when a proportional lever is not in center. Out1 turns OFF with a 6 seconds delay after all levers have returned in center.
- When SW1 is on neutral position, outputs Out1 and Out9 are always off.

Note di produzione:

Pulsantiera:

- Tempo di spegnimento pulsantiera = 5 min.
- 5 livelli Micro.
- Disconnect LED attivo.
- SW7 1-1 con blocco meccanico cod. A2002700054 con cappuccio cod. A2000900090.
- Applicare etichette identificazione ricevitori cod. F0000051072.
- Aggiornare il tipo sulla targhetta identificativa in alluminio (S0007 sf007791).

Unità Centrali:

- SET1 multifunzione e SET2 monofunzione.

- Ritardo spegnimento DV 0.5 sec.
- Alimentazione singola moduli Danfoss.
- Lo SW7 abilita alternativamente le uscite proporzionali di CU-A o di CU-B; richiede leve a zero per rilasciare i blocchi.
- Uscite digitali sempre abilitate in entrambe le UC.
- CU-A: Multi operation mode attivo (bidirezionale).
- CU-B: Multi operation mode attivo (unidirezionale).
- Effettuare la procedura di pairing con entrambe le UC.

CAN bus:

- TPDO1 prelevato a valle.
- TPDO3 non attivo.
- Mappatura standard bit1-32.
- Terminazione non attiva.
- Error frame disabilitato.
- CAN filter attivo.
- Slave.

- SW CU-1: sf007791-1-A1
- SW CU-2: sf007791-2-A1
- FW: UC 2.40, PCU 1.40 o superiori

scanrefcofaber		CODE:	SDC0001sf007791		
		CUST. CODE:	XXXXX		
DESC: Scanreco mini PCU configuration and function description.					
CUSTOMER: OK Polonia					
DATE:	26/02/2024	REV.	0	SHEET	2 OF 4

Conn. K4	Cable	Description
K4.1	Ex1.1	Out1
K4.2	Ex1.2	Out2
K4.3	Ex1.3	Out3
K4.4	Ex1.4	Out4
K4.5	Ex1.5	Out5
K4.6	Ex1.6	Out6
K4.7	Ex1.7	GND
K4.8	Ex1.8	Din1
K4.9	Ex1.9	Din2
K4.10	Ex1.10	Din3
K4.11	Ex1.11	+Vdc in Remote

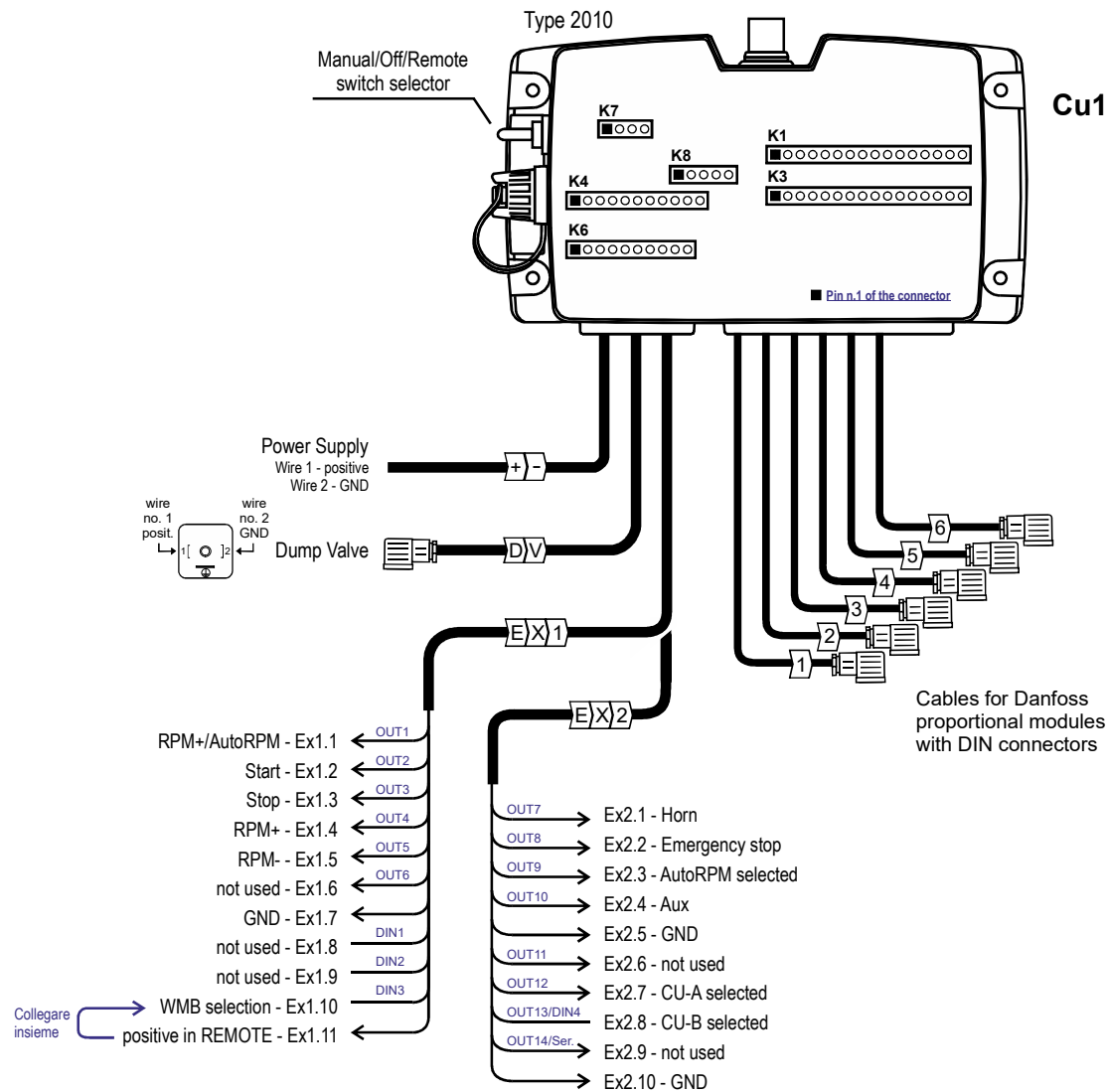
Conn. K7	Cable	Description
K7.1	+/-1	+ 12/24Vdc
K7.2	+/-2	GND
K7.3	DV.1	+ Dump valve
K7.4	DV.2	GND

	Conn. K1	Cable	Description
Function no.1	K1.1	1.1	Power 1
	K1.2	1.2	Signal 1
	K1.3	1.YG	GND
	K1.4	-	-
Function no.2	K1.5	2.1	Power 2
	K1.6	2.2	Signal 2
	K1.7	2.YG	GND
	K1.8	-	-
Function no.3	K1.9	3.1	Power 3
	K1.10	3.2	Signal 3
	K1.11	3.YG	GND
	K1.12	-	-
Function no.4	K1.13	4.1	Power 4
	K1.14	4.2	Signal 4
	K1.15	4.YG	GND
	K1.16	-	-

Conn. K6	Cable	Description
K6.1	Ex2.1	Out7
K6.2	Ex2.2	Out8
K6.3	Ex2.3	Out9
K6.4	Ex2.4	Out10
K6.5	Ex2.5	GND
K6.6	Ex2.6	Out11
K6.7	Ex2.7	Out12
K6.8	Ex2.8	Out13/Din4
K6.9	Ex2.9	Out14/Serial
K6.10	Ex2.10	GND

Conn. K8	Cable	Description
K8.1	-	CAN-H
K8.2	-	CAN-L
K8.3	-	CAN-GND
K8.4	-	CAN-H
K8.5	-	CAN-L

	Conn. K3	Cable	Description
Function no.5	K3.1	5.1	Power 5
	K3.2	5.2	Signal 5
	K3.3	5.YG	GND
	K3.4	-	-
Function no.6	K3.5	6.1	Power 6
	K3.6	6.2	Signal 6
	K3.7	6.YG	GND
	K3.8	-	-
Function no.7	K3.9	-	Power 7
	K3.10	-	Signal 7
	K3.11	-	GND
	K3.12	-	-
Function no.8	K3.13	-	Power 8
	K3.14	-	Signal 8
	K3.15	-	GND
	K3.16	-	-



Wiring harness code/lenght		Prop . connection
Wiring code: 47752	Wiring code: F2000150294	
+/- - 2,35m DV - 1,9m EX1 - 2,9m EX2 - 2,9m	Proport. outputs - 1,8m	

scanrefcofaber		CODE: SDC0001sf007791
DESC: Central unit 1 for Danfoss with wirings and DIN connectors. Connections.		CUST. CODE: XXXXX
CUSTOMER: OK Polonia		
DATE: 26/02/2024	REV. 0	SHEET 3 OF 4

Conn. K4	Cable	Description
K4.1	Ex1.1	Out1
K4.2	Ex1.2	Out2
K4.3	Ex1.3	Out3
K4.4	Ex1.4	Out4
K4.5	Ex1.5	Out5
K4.6	Ex1.6	Out6
K4.7	Ex1.7	GND
K4.8	Ex1.8	Din1
K4.9	Ex1.9	Din2
K4.10	Ex1.10	Din3
K4.11	Ex1.11	+Vdc in Remote

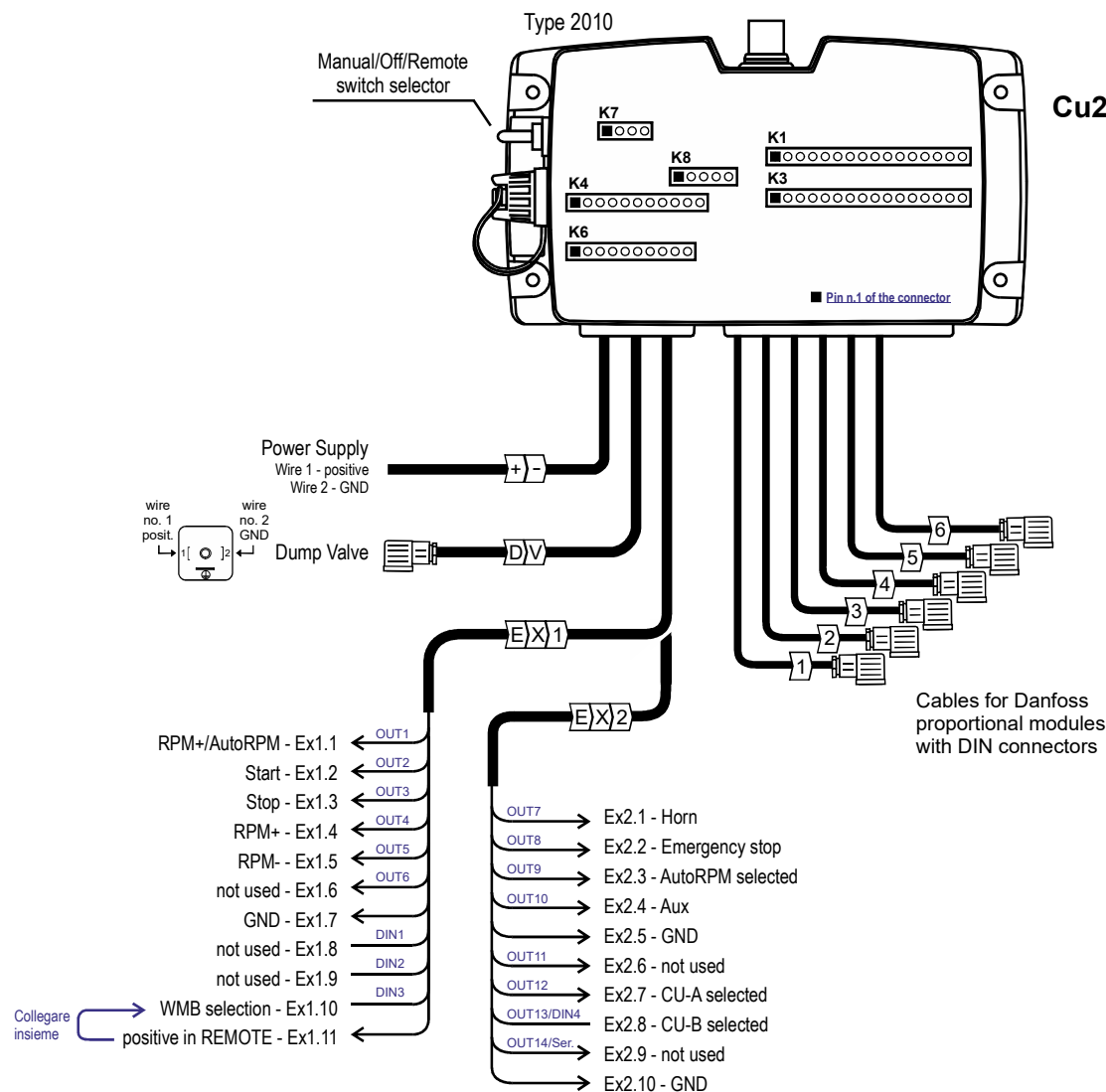
Conn. K7	Cable	Description
K7.1	+/-1	+ 12/24Vdc
K7.2	+/-2	GND
K7.3	DV.1	+ Dump valve
K7.4	DV.2	GND

Conn. K1	Cable	Description
K1.1	1.1	Power 1
K1.2	1.2	Signal 1
K1.3	1.YG	GND
K1.4	-	-
K1.5	2.1	Power 2
K1.6	2.2	Signal 2
K1.7	2.YG	GND
K1.8	-	-
K1.9	3.1	Power 3
K1.10	3.2	Signal 3
K1.11	3.YG	GND
K1.12	-	-
K1.13	4.1	Power 4
K1.14	4.2	Signal 4
K1.15	4.YG	GND
K1.16	-	-

Conn. K6	Cable	Description
K6.1	Ex2.1	Out7
K6.2	Ex2.2	Out8
K6.3	Ex2.3	Out9
K6.4	Ex2.4	Out10
K6.5	Ex2.5	GND
K6.6	Ex2.6	Out11
K6.7	Ex2.7	Out12
K6.8	Ex2.8	Out13/Din4
K6.9	Ex2.9	Out14/Serial
K6.10	Ex2.10	GND

Conn. K8	Cable	Description
K8.1	-	CAN-H
K8.2	-	CAN-L
K8.3	-	CAN-GND
K8.4	-	CAN-H
K8.5	-	CAN-L

Conn. K3	Cable	Description
K3.1	5.1	Power 5
K3.2	5.2	Signal 5
K3.3	5.YG	GND
K3.4	-	-
K3.5	6.1	Power 6
K3.6	6.2	Signal 6
K3.7	6.YG	GND
K3.8	-	-
K3.9	-	Power 7
K3.10	-	Signal 7
K3.11	-	GND
K3.12	-	-
K3.13	-	Power 8
K3.14	-	Signal 8
K3.15	-	GND
K3.16	-	-



Wiring harness code/lenght		Prop . connection
Wiring code: 47752	Wiring code: F2000150294	
+/- - 2,35m DV - 1,9m EX1 - 2,9m EX2 - 2,9m	Proport. outputs - 1,8m	

scanrefcofaber		CODE: SDC0001sf007791
DESC: Central unit 2 for Danfoss with wirings and DIN connectors. Connections.		CUST. CODE: XXXXX
CUSTOMER: OK Polonia		
DATE: 26/02/2024	REV. 0	SHEET 4 OF 4