

FRONT BOX ELECTRICAL DIAGRAM

Diagrama Elétrico Defroster

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 TWISTED PAIR CABLE
Cabo Par Trançado

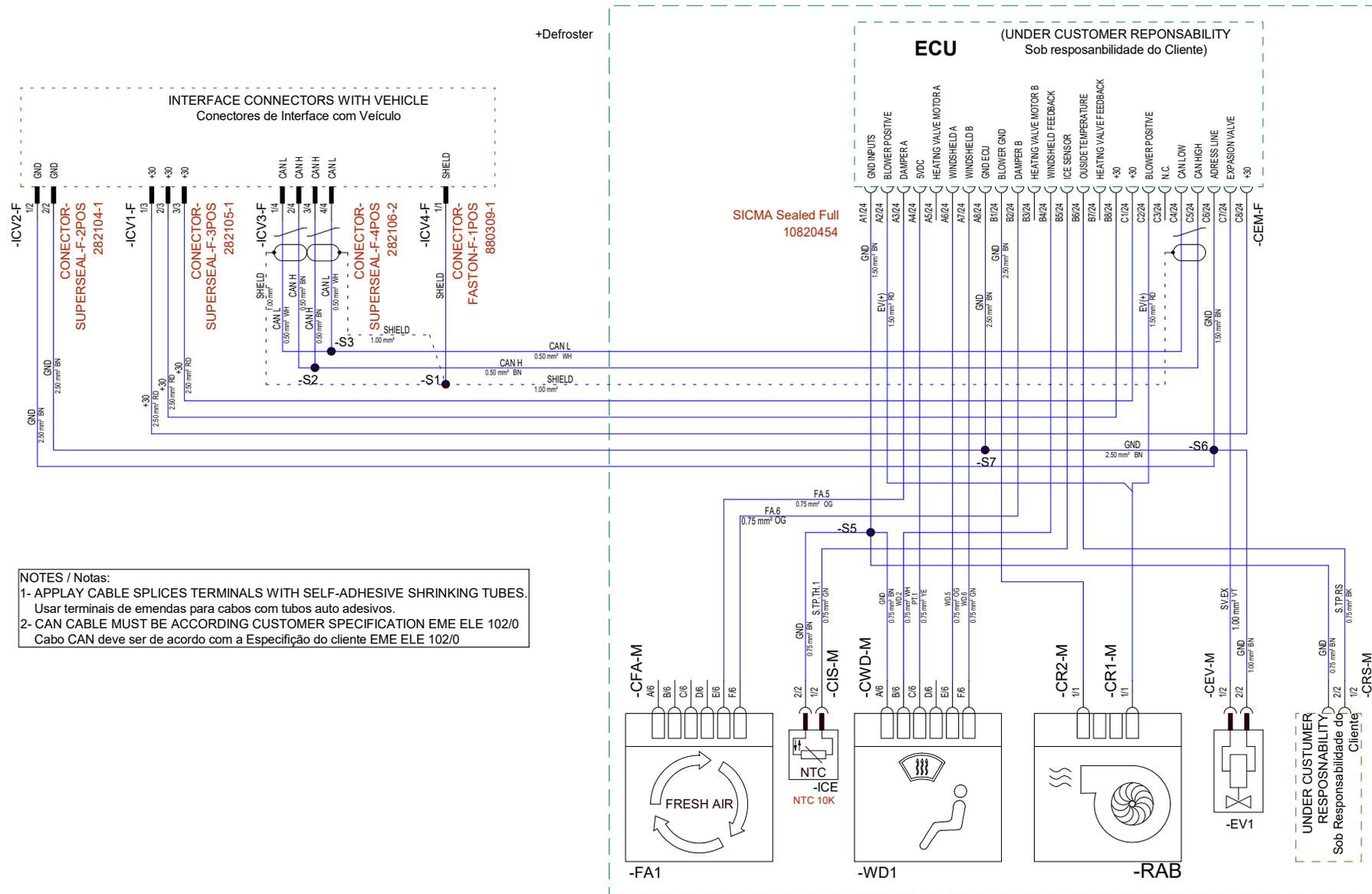
 SHIELDED CABLE
Cabo Blindado

WIRE COLORS ACCORDING IEC 60757 Cores de fio conforme IEC 60757		
ABREV.	ENGLISH	Português
BN	BROWN	Marrom
RD	RED	Vermelho
BU	BLUE	Azul
OG	ORANGE	Laranja
BK	BLACK	Preto
YE	YELLOW	Amarelo
GN	GREEN	Verde
VT	VIOLETT	Violeta
GY	GRAY	Cinza
WH	WHITE	Branco
PK	PINK	Rosa
TQ	TURQUOISE	Turquesa

Rev. Index	Qty	Rev. No.	Date	Draw	Change Description	Description	Date	Name	Initial Release:	2051-3								
						FRONT BOX ELECTRICAL DIAGRAM	DRAW	08/10/2025	DJANUARIO	Part No.:	036-00305-000	Page Size:	A3					
						Diagrama Elétrico Defroster	CHECK	08/10/2025	RPEDRONI	Unit: DEFROSTER		Voltage:	24V					
I					SEE TABLE/Ver tabela		APPROVE	08/10/2025	FKATZ	SPHEROS		Page:	0					
Previous Page:											2	3	4	5	6	7	Next Page:	1

1 ELECTRICAL DIAGRAM FRONT BOX DF75

Digrama Eléctrico Defroster DF75

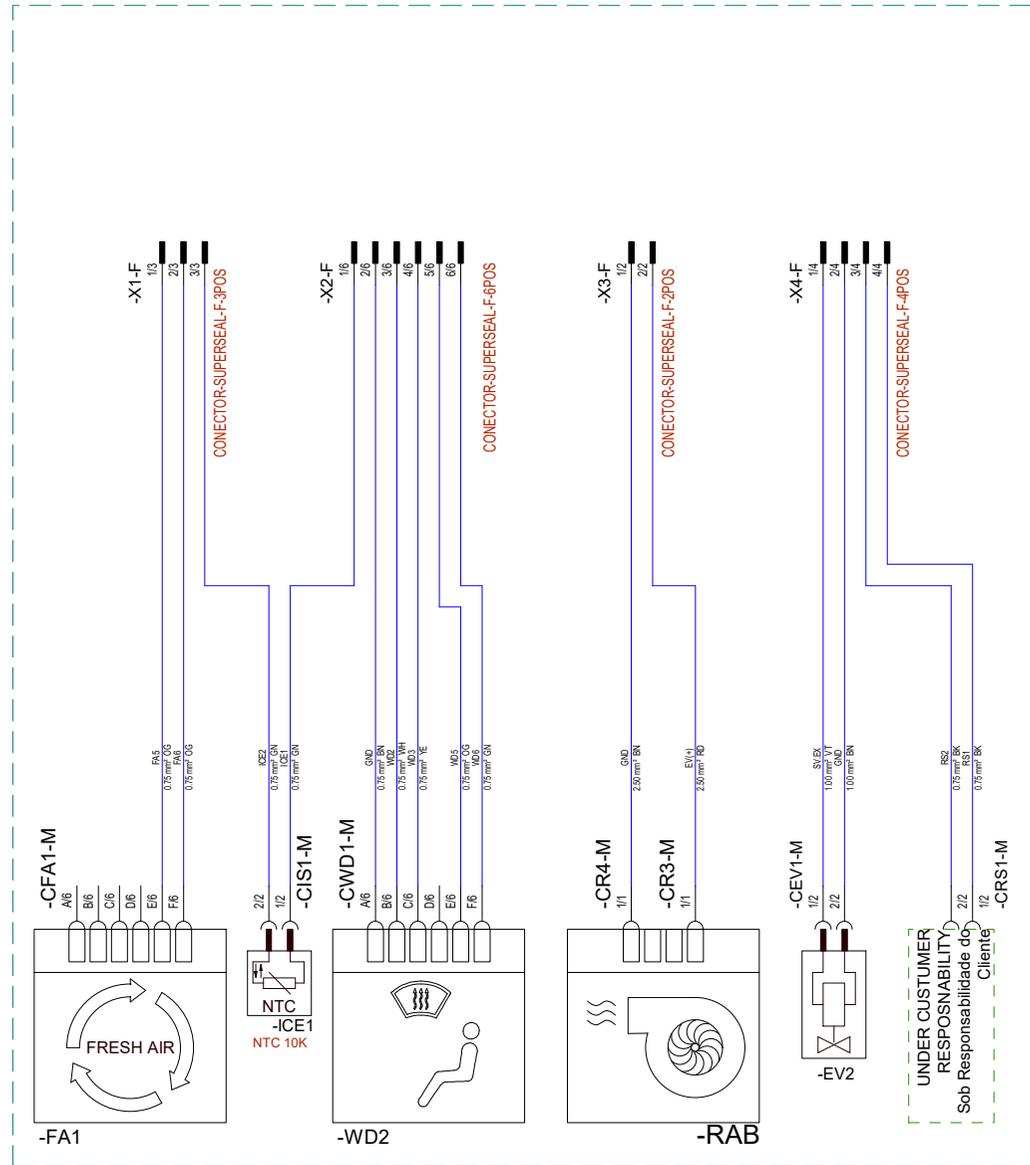


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						FRONT BOX ELECTRICAL DIAGRAM	08/10/2025	DJANUARIO	Part No.:	036-00305-000	Page Size: A3
						Diagrama Eléctrico Defroster	08/10/2025	RPEDRONI			Voltage: 24V
							08/10/2025	FKATZ	SPHEROS	Unit: DEFROSTER	Page: 1 of 8

2 ELECTRICAL DIAGRAM FRONT BOX DF75 W/O ECU CONNECTOR

Diagrama Eléctrico Defroster DF75 sem Conector para ECU

+Defroster



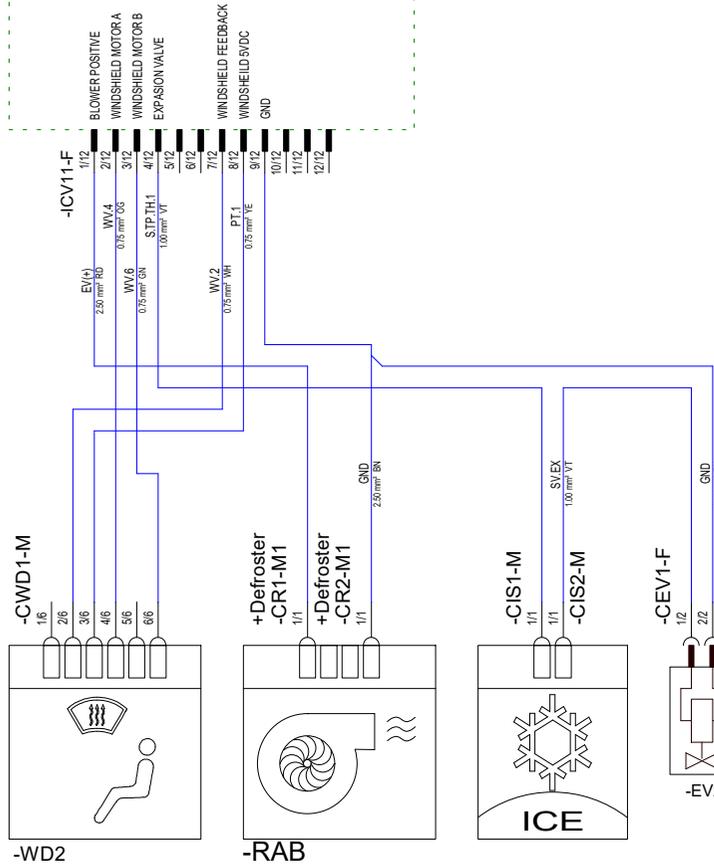
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					APPROVE		08/10/2025	FKATZ			SPHEROS	Unit:	DEFROSTER	of
G					SEE TABLE/Ver tabela									

3 FRONT BOX DF70 AND ATTIVI HARNESSSES

Chicotes Deforster DF70 e Attivi

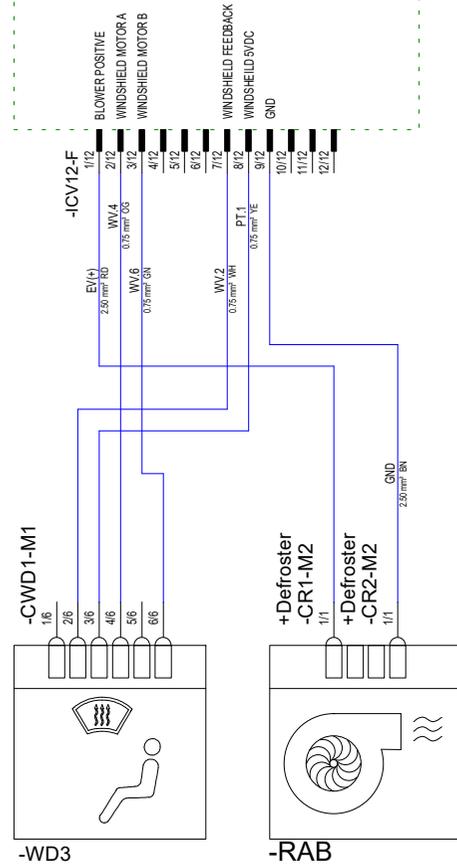
HARNESS FOR FRONT BOX WITH COOLING
Chicote para Defroster com Refrigeração

INTERFACE CONNECTORS WITH VEHICLE
Conectores de Interface com Veículo



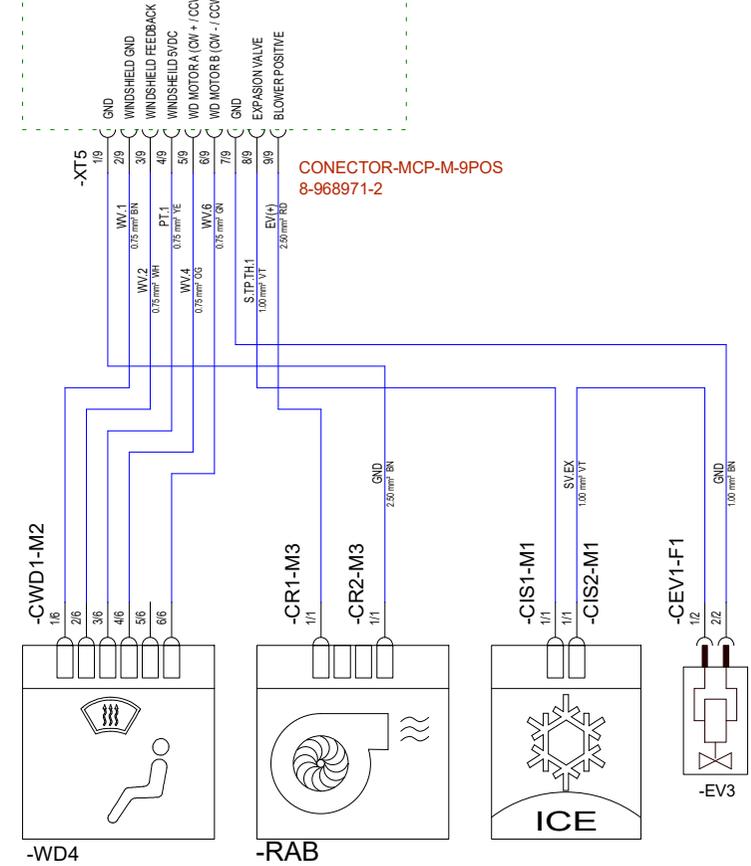
HARNESS FOR FRONT BOX ONLY VENTILATION
Chicote para Defroster Somente Ventilação

INTERFACE CONNECTORS WITH VEHICLE
Conectores de Interface com Veículo



HARNESS FOR FRONT BOX ATTIVI
Chicote para Defroster com Refrigeração ATTIVI

INTERFACE CONNECTORS WITH VEHICLE
Conectores de Interface com Veículo



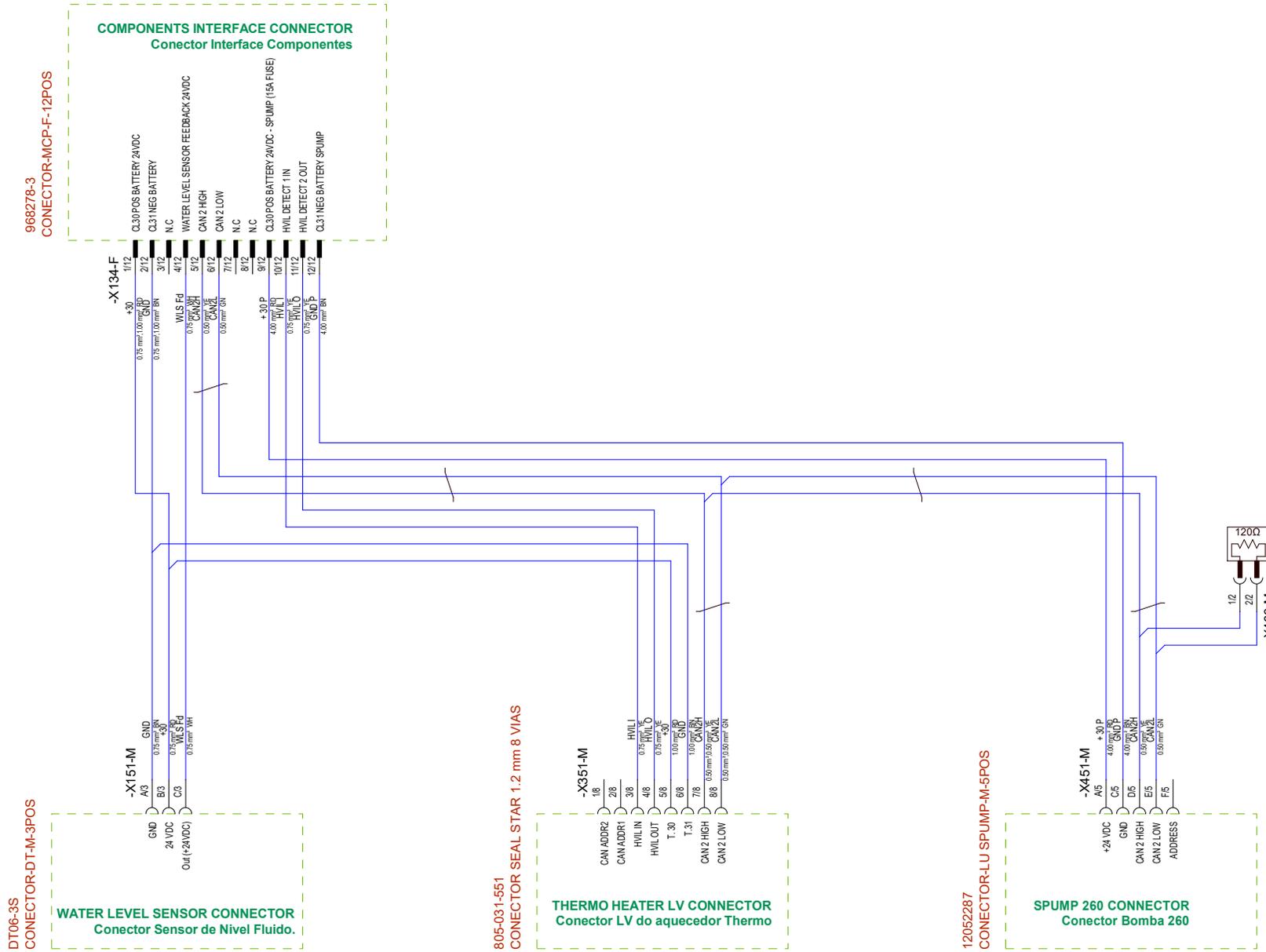
CONNECTORS DESCRIPTION / Descrição dos Conectores

ICV	INTERFACE CONNECTOR VEHICLE Conector de Interface Veículo	CFA	CONNECTOR FRESH AIR Conector Renovação de Ar	CIS	CONNECTOR ICE SENSOR Conector Sensor Congelamento
CR	CONNECTOR RADIAL BLOWER Conector Ventilador Radial	CHVM	CONNECTOR HEAT VALVE MODULATOR Conector da Válvula Moduladora Aquecimento	CES	CONNECTOR EXTERNAL TEMP. SENSOR Conector Sensor Temperatura Externo
CEM	CONNECTOR ECU MODULE Conector Módulo ECU	CWD	CONNECTOR WINDSHIELD Conector Parábrisa	CEV	CONNECTOR EXPANSION VALVE Conector Válvula Expansão
S	SPLICE Emendas				

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						Diagrama Elétrico Defroster	08/10/2025	RPEDRONI	Page Size:	A3
							08/10/2025	FKATZ	Unit:	DEFROSTER
									Page:	3
									of	8

5 ELECTRICAL DIAGRAM HEATING FRONT BOX ATTIVI W/ THERMO HV AND SPUMP 260 - PART 2 - LEVEL SENSOR MODEL 1

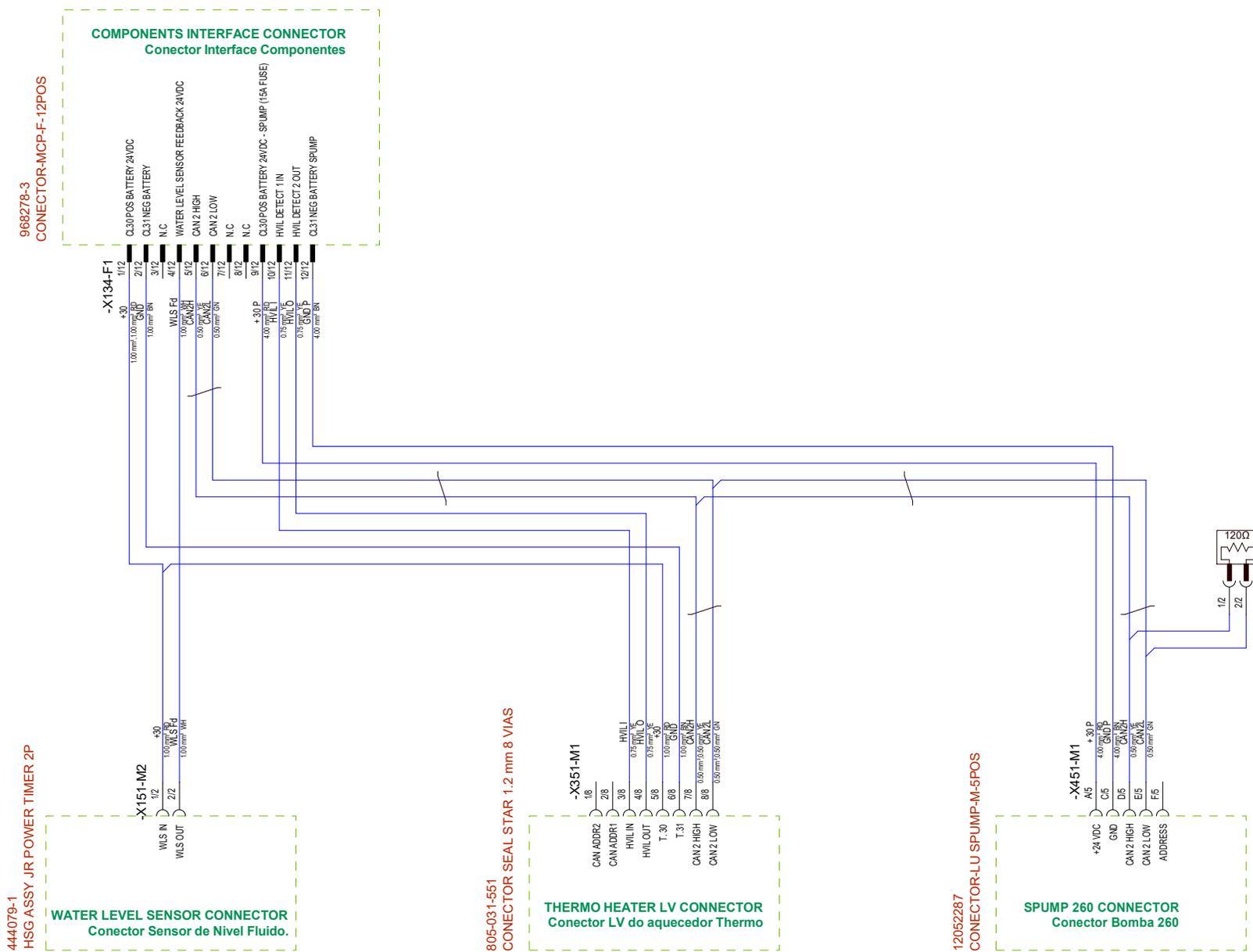
Diagrama Eléctrico Defroster Attivi Aquecimento com Thermo HV e SPump 260 - Parte 2 - Sensor de Nível Modelo 1



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G					SEE TABLE/Ver tabela		APPROVE	08/10/2025	RCOMIN	SPHEROS	Unit: DEFROSTER	of 8

6 ELECTRICAL DIAGRAM HEATING FRONT BOX ATTIVI W/ THERMO HV AND SPUMP 260 - PART 2 - LEVEL SENSOR MODEL 2

Diagrama Eléctrico Defroster Attivi Aquecimento com Thermo HV e SPump 260 - Parte 2 - Sensor de Nível Modelo 2



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						Diagrama Eléctrico Defroster	CHECK	08/10/2025	RPEDRONI	Voltage:		24V	
G					SEE TABLE/Ver tabela		APPROVE	08/10/2025	RCOMIN	SPHEROS	Unit:	DEFROSTER	Page: 6 of 8

7 CHANGE HISTORY

Histórico de Alterações

REVIEW Revisão	NAME Nome	RELEASE DATE Data Liberação	RELEASE IDE	CHANGES HISTORY Histórico de Alterações	CHECKED BY Verificado por	APPROVED BY Aprovador por	ARE THERE CHANGES FOR BODY? Há alterações para carroceria?
A	DJANUARIO	20/11/2019	2051-14	CONNECTOR CEM-F WAS CEM-M 23WAYS. ADDED SPLICES CON. SCP-M, SCP1-M, SCG-M & SCG1-M. REMOVED GND TERMINAL. Conector CEM-F era CEM-M de 23 vias. Incluso conectores de emenda SCP-M, SCP1-M, SCG-M & SCG1-M. Removido terminal GND.	RPEDRONI	FKATZ	YES / Sim
B	DJANUARIO	04/02/2020	2051-17	CHANGED SIGNALS ON CEM-F: A8 WAS +30, B1 WAS EV(+), B8 WAS ECU GND, C1 WAS EV(+), C2 WAS EV(-), C3 WAS GND, C8 WAS +30. Alterado sinais no CEM-F: A8 era +30, B1 era EV(+), B8 era ECU GND, C1 era EV(+), C2 era EV(-), C3 era GND, C8 era +30.	RPEDRONI	FKATZ	YES / Sim
C	DJANUARIO	24/02/2020	2051-18	CHANGED ICV1-F & ICV2-F WAS ICV-F. ADDED SCH-M & SCL-M. ADDED +30 AND GND WIRES. Alterado ICV1-F & ICV2-F era ICV-F. Incluso SCH-M & SCL-M. Incluso fios +30 e GND no ISV2-F.	RPEDRONI	FKATZ	YES / Sim
D	DJANUARIO	21/05/2020	2162-8	NEW DOC STRUCTURE. ADDED DIAGRAM FOR DF70 FRONT BOX MODEL (PG2). Nova estrutura do documento. Incluso diagrams dos Defroster modelo DF70 (pg2).	RPEDRONI	FKATZ	YES / Sim
E	DJANUARIO	21/07/2020	2051-19	SPLICES (S) WAS CONNECTORS SC, NEW INTERFACE CONNECTORS DISTRIBUTION. CEM-F PINS CHANGED REQUESTED BY CUSTOMER. As emendas eram conectores de emenda. Nova e distribuição e conectores de Interface. Alterados pinos do CEM-F, solicitado pelo cliente.	RPEDRONI	FKATZ	YES / Sim
F	DJANUARIO	29/10/2020	2051-22	REMOVED HEATING VALVE AND EXTERNAL TEMPERATURE SENSOR. REPLACED CAN CABLE. Removido Válvula Aquecimento e Sensor Temperatura Externa. Substituído cabo CAN.	RPEDRONI	FKATZ	YES / Sim
G	DJANUARIO	01/03/2021	2270-3	ADDED NEW DEFROSTER HARNESS FOR ATTIVI MODEL. Incluso novo chicote para o modelo Attivi.	RPEDRONI	FKATZ	YES / Sim
H	DJANUARIO	22/03/2021	2051-29	ADDED CONNECTOR CRS-M. Incluso conector CRS-M.	RPEDRONI	FKATZ	YES / Sim
I	DJANUARIO	14/04/2021	2270-5	PG2 - ATTIVI HARNESS - XT5:7 GND WAS XT5:1. Pg 2 - Chicote Attivi - XT5:7 GND era no XT5:1	RPEDRONI	FKATZ	YES / Sim
J	RPEDRONI	17/05/2022	7016-1	IT WAS INCLUDED THE ELECTRICAL DIAGRAM W/O ECU CONNECTOR Incluso diagrama elétrico para Defroster sem o conector da ECU, chicote simplificado	LDEBONI	FKATZ	YES / Sim
K	FKAUFMANN	07/06/2024	7190-5	IT WAS INCLUDED THE ELECTRICAL DIAGRAM W/ ECU 021, THERMO HV, SPUMP 260, WATER LEVEL SENSOR - PG 4 & 5. Incluso diagrama elétrico para Defroster com ECU 021, Aquecedor HV, Bomba 260, Sensor de nível fluido - pg 4 e 5	RPEDRONI	RCOMIN	YES / Sim
L	FKAUFMANN	07/10/2025	7189-15	IT WAS INCLUDED THE SECOND PART OF THE ELECTRICAL DIAGRAM FOR DEFROSTER W/ ANOTHER FLUID LEVEL SENSOR MODEL - PG 6. Incluso segunda parte do diagrama elétrico para Defroster com outro modelo de Sensor de nível fluido - pg 6	RPEDRONI	RCOMIN	YES / Sim

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