N.º de ficha	Título		Índice	Atualização do guia técnico
4.10.	Anexo 1	Parâmetros e valores de configuração AAM Projetos LCV	-	1/3/2024

PARAMETER	FUNCTIONALITY	Apenas ICE	TCS XDD TCS XDE	DECIMAL PHYSICAL VALUE IN RENAULT PLANT	MEANING
VH_TYPE	This calibration is used to configure the Vehicle Type			1	X82 ph2
				2	XFK
			XDD	3	XDD
			XDE	3	XDD
TRAILER_CF	This calibration is used to activate the Trailer feature		TPRWR	0	Trailer feature not activated
			THMPW, TWBPW, TWHPW	1	Trailer feature activated
RALAC_CF	This calibration is used to activate the RALAC feature	X	NODBW, ELECX	0	RALAC feature not activated
			DBWIA/DISEL	1	RALAC feature activated
RALAC_SW_TYPE_CF	This calibration is used to set button type for RALAC	X	NODBW, ELECX	0	bistable button
			DBWIA/DISEL	1	monostable button (impulse button)
FRIDGE_DRIVE_CF	This calibration is used to activate the Fridge drive feature	X	XDD, XDE	0	Fridge drive feature not activated
				0	Fridge drive feature not activated
				1	Fridge drive feature activated
FRIDGE_RPM_MAX_CF	This calibration is used to select the maximum engine speed for fridge drive activation	X	XDD, XDE	3700	Maximum engine speed caso XFK HR13 3600 rpm GMP = 4500 rpm compressor de refrigeração (5000 rpm regime máx. comp.) 3700 rpm GMP = 4600 rpm compressor 130 km/h => 2872 rpm GMP em 6.ª e 3430 rpm em 5.ª
FRIDGE_RPM_MIN_CF	This calibration is used to select the minimum engine speed for fridge drive activation	X	XDD, XDE	600	Minimum engine speed Baixo valor para permitir a transmissão do compressor de refrigeração em todos os casos de motor autónomo
BAT_STABILIZED_CF	This calibration is used to activate the Battery stabilized feature		NODBW	0	Battery stabilized feature not activated
			DBWIA	1	Battery stabilized feature activated
BAT_STABILIZED_MIN_VOLTAGE_CF	This calibration is used to select the minimum voltage for the Battery Stabilized feature		XDD, XDE	14	Passar este valor para 13,5 V no caso de uma bateria de iões de lítio (não exceder 13,8 V, caso contrário a bateria de iões de lítio fica em sobretensão)
BAT_STABILIZED_VOLTAGE_RATE_CF	This calibration is used to select the voltage rate for the Battery Stabilized feature		XDD, XDE	1	Rate 1 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM)
BAT_STABILIZED_SW_TYPE_CF	This calibration is used to set button type for Battery stabiilized feature		NODBW	0	bistable button
			DBWIA	1	monostable button (impulse button)
BATT_COUPLING_CF	This calibration is used to activate the Battery coupling feature		NODBW	0	Battery coupling feature not activated
			DBWIA	1	Battery coupling feature activated
SEL_PWR_LIM_CUT_OFF	This calibration is used to activate to Output power cut off		NODBW	0	Output power cut off not activated
			DBWIA	1	Output power cut off activated
O_PWM_1	This calibration is used to set the Output PWM 1 signal		NODBW	0	No Configuration
			DBWIA	1	VehicleSpeed
O_PWM_2	This calibration is used to set the Output PWM 2 signal		NODBW, ELECX	0	No Configuration
			DBWIA/DISEL	2	EngineRPM
O_PWM_3	This calibration is used to set the Output PWM 3 signal		NODBW	0	No Configuration
			DBWIA	3	ExternalTemperature
O_PWM_4	This calibration is used to set the Output PWM 4 signal		NODBW	0	No Configuration
			DBWIA	4	EngineCoolantTemp

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O_PWM_5	This calibration is used to set the Output PWM 5 signal		NODBW, ELECX	0	No Configuration
			DBWIA/DISEL	5	FuelLevelDisplayed
O_PWM_6	This calibration is used to set the Output PWM 6 signal		NODBW, DISEL	0	No Configuration
			DBWIA/ELECX	6	HVBatteryEnergyLevel
O_PWM_7	This calibration is used to set the Output PWM 7 signal		NODBW	0	No Configuration
			DBWIA	7	NightRheostatedLightMaxPercent
O_LOG_1_power_limitation	This calibration is used to configure the power limitation for Output logical 1 pin		XDD, XDE	1	No power limitation on Output logical 1 pin. Output logical 1 has a prioritary behaviour.
O_LOG_2_power_limitation	This calibration is used to configure the power limitation for Output logical 2 pin		XDD, XDE	1	No power limitation on Output logical 2 pin. Output logical 2 has a prioritary behaviour.
O_LOG_3_power_limitation	This calibration is used to configure the power limitation for Output logical 3 pin		XDD, XDE	0	Power limitation on Output logical 3 pin.
O_LOG_4_power_limitation	This calibration is used to configure the power limitation for Output logical 4 pin		XDD, XDE	1	No power limitation on Output logical 4 pin. Output logical 4 has a prioritary behaviour.
O_LOG_5_power_limitation	This calibration is used to configure the power limitation for Output logical 5 pin		XDD, XDE	1	No power limitation on Output logical 5 pin. Output logical 5 has a prioritary behaviour.
O_LOG_6_power_limitation	This calibration is used to configure the power limitation for Output logical 6 pin		XDD, XDE	1	No power limitation on Output logical 6 pin. Output logical 6 has a prioritary behaviour.
O_LOG_7_power_limitation	This calibration is used to configure the power limitation for Output logical 7 pin		XDD, XDE	1	No power limitation on Output logical 7 pin. Output logical 7 has a prioritary behaviour.
O_LOG_8_power_limitation	This calibration is used to configure the power limitation for Output logical 8 pin		XDD, XDE	1	No power limitation on Output logical 8 pin. Output logical 8 has a prioritary behaviour.
O_LOG_9_power_limitation	This calibration is used to configure the power limitation for Output logical 9 pin		XDD, XDE	1	No power limitation on Output logical 9 pin. Output logical 9 has a prioritary behaviour.
O_LOG_10_power_limitation	This calibration is used to configure the power limitation for Output logical 10 pin		XDD, XDE	1	No power limitation on Output logical 10 pin. Output logical 10 has a prioritary behaviour.
O_LOGICAL_1_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 1		XDD, XDE	0	No switch off
O_LOGICAL_2_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 2		XDD, XDE	0	No switch off
O_LOGICAL_3_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 3		XDD, XDE	0	No switch off
O_LOGICAL_4_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 4		XDD, XDE	0	No switch off
O_LOGICAL_5_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 5		XDD, XDE	0	No switch off
O_LOGICAL_6_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 6		XDD, XDE	0	No switch off
O_LOGICAL_7_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 7		XDD, XDE	0	No switch off
O_LOGICAL_8_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 8		XDD, XDE	0	No switch off

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O_LOGICAL_9_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 9		XDD, XDE	0	No switch off	
O_LOGICAL_10_SWITCH_OFF_CONDITION	This calibration is used to configure the switch off conditions for the Output logical 10		XDD, XDE	0	No switch off	

						Comentário
O_LOG_1	This calibration is used to set the Output logical 1 signal		NODBW, ELECX	0	No Configuration	
			DBWIA/DISEL	49	EngIdleSpeedIncreaseStatus	
O_LOG_2	This calibration is used to set the Output logical 2 signal		NODBW	0	No Configuration	
			DBWIA	52	VoltageRegulationStatus_V2	
O_LOG_3	This calibration is used to set the Output logical 3 signal		NODBW	0	No Configuration	
			DBWIA	57	Battery coupling	
O_LOG_4	This calibration is used to set the Output logical 4 signal		NODBW	0	No Configuration	
				0	No Configuration	
				56	Fridge drive actived	
			DBWIA	59	Configurable algorithm 1 activated. Used for Parking Hand Brake	
O_LOG_5	This calibration is used to set the Output logical 5 signal		NODBW	0	No Configuration	
				4	DoorSwitches	
			DBWIA	58	Footstep activated	
O_LOG_6	This calibration is used to set the Output logical 6 signal		NODBW	0	No Configuration	
				6	DoorsLocked	Parâmetro CAN_EXT utilizado = VehicleOutsideLockedState
			DBWIA	48	AAM_DigitalInputMonitoring5	Parâmetro CAN_EXT utilizado = AAM_DigitalInputMonitoring5
O_LOG_7	This calibration is used to set the Output logical 7 signal		NODBW	0	No Configuration	
			DBWIA	1	BrakeInfoStatus	Parâmetro CAN_EXT utilizado = BrakeInfoStatus
O_LOG_8	This calibration is used to set the Output logical 8 signal		NODBW	0	No Configuration	
			DBWIA	12	NeutralContact	
O_LOG_9	This calibration is used to set the Output logical 9 signal		NODBW	0	No Configuration	
			DBWIA	36	IgnitionLevel	Parâmetro CAN_EXT utilizado = VehicleStates
O_LOG_10	This calibration is used to set the Output logical 10 signal		NODBW, ELECX	0	No Configuration	
			DBWIA/DISEL	9	AutoStart	Parâmetro CAN_EXT utilizado = VehicleStates

FRIDGE_RPM_HYST_CF	This calibration is used to select the engine speed hysteresis	X	XDD, XDE	0	Hystereris value in % for Minimum & Maximum engine speed Exemplo: 3700 - 10% 600-10% Resolução = 0,392 = 100/255 (8 bits)
				0	
				10	
ENG_RESTART_CF	This calibration is used to active the engine restart feature	X	NODBW, ELECX	0	Engine Restart feature not activated
			DBWIA/DISEL	1	Engine Restart feature activated. (function used only for Stop/start vehicle)
MUTE_CF	This calibration is used to activate or desactivate the radio mute feature		NODBW	0	Mute feature not activated
			DBWIA	1	Mute feature activated
MUTE_SW_TYPE_CF	This calibration is used to set the button type for Radio Mute		XDD, XDE	0	bistable button
DOOR_MUTE_DRIVER_CF	This calibration is used to enable driver door to mute Radio		XDD, XDE	0	No mute radio when opening a door
DOOR_MUTE_PASSENGER_CF	This calibration is used to enable passenger door to mute Radio		XDD, XDE	0	No mute radio when opening a door
DOOR_MUTE_REAR_RIGHT_CF	This calibration is used to enable rear right lateral door to mute Radio		XDD, XDE	0	No mute radio when opening a door
DOOR_MUTE_REAR_LEFT_CF	This calibration is used to enable rear left lateral door to mute Radio		XDD, XDE	0	No mute radio when opening a door
DOOR_MUTE_TAILGATE_CF	This calibration is used to enable tailgate door to mute Radio		XDD, XDE	0	No mute radio when opening a door
PRODUCER_LOAD_LOW_CF	This calibration is used to configure the Low threshold		XDD, XDE	70	Low Threshold of Producer load

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PRODUCER_LOAD_HIGH_CF	This calibration is used to configure the High threshold		XDD, XDE	98	High Threshold of Producer load
PRODUCER_LOAD_HIGH_DELAY_CF	This calibration is used to configure the Producer_load delay for the High threshold		XDD, XDE	2	Delay for the High Threshold of Producer load
O_POWER_CF	This calibration is used to activate the O_POWER supply feature		NODBW	0	Output power supply not activated
			DBWIA	1	Output power supply activated
FOOTSTEP_VEH_SPEED_MIN_CF	This calibration is used to configure the Minimum threshold for the footstep feature		XDD, XDE	3	3 km/h
FOOTSTEP_VEH_SPEED_HYST_CF	This calibration is used to configure the hysteresis threshold for footstep feature		XDD, XDE	2	2 km/h
CONFIGURABLE_ALGORITHM_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm			0	No Configuration
			XDD, XDE	21	CAN_EXT_ParkingBrakeStatus
CONFIGURABLE_ALGORITHM_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm			0	No Configuration
			XDD, XDE	1	=
CONFIGURABLE_ALGORITHM_CF.VALUE1	This calibration is used to define the VALUE 1 of the Configurable Algorithm			0	No Configuration
			XDD, XDE	2	Parking brake applied
CONFIGURABLE_ALGORITHM_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm		XDD, XDE	0	NC
CONFIGURABLE_ALGORITHM_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm		XDD, XDE	0	NC
CONFIGURABLE_ALGORITHM_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm		XDD, XDE	0	NC
CONFIGURABLE_ALGORITHM_CF.VALUE2	This calibration is used to define the VALUE 2 of the Configurable Algorithm		XDD, XDE	0	NC
CONFIGURABLE_ALGORITHM_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm		XDD, XDE	0	Safe value = 0
I_ANALOG_1_CF	This calibration is used to enable/disable the data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_ANALOG_2_CF	This calibration is used to enable/disable the data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_ANALOG_3_CF	This calibration is used to enable/disable the data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_LOG_1_CF	This calibration is used to enable/disable data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_LOG_2_CF	This calibration is used to enable/disable data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
	This calibration is used to enable/disable data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1

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I_LOG_3_CF			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_LOG_4_CF	This calibration is used to enable/disable data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1
I_LOG_5_CF	This calibration is used to enable/disable data sent on CAN_EXT and/or CAN_ADAPT_1		NODBW	0	data not sent on CAN-EXT and not sent on CAN_ADAPT_1
			DBWIA	3	data sent on CAN_EXT and sent on CAN_ADAPT_1

CONFIGURABLE_ALGORITHM_2_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm 2		XDD, XDE	49	CAN_EXT_VehicleStates
CONFIGURABLE_ALGORITHM_2_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm 2		XDD, XDE/ELECX	2	>
			XDD, XDE/DISEL	1	=
CONFIGURABLE_ALGORITHM_2_CF.VALUE1	This calibration is used to define the VALUE 1 of the Configurable Algorithm 2		XDD, XDE/ELECX	0	0000 = Spleeping
			XDD, XDE/DISEL	7	0111 = PowertrainRunning
CONFIGURABLE_ALGORITHM_2_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm 2		XDD, XDE/DISEL/FWDRV	2	COMB.OP = OR
			XDD, XDE/DISEL/RWDRV	0	COMB.OP = Condition 1 only
			XDD, XDE/ELECX	0	COMB.OP = Condition 1 only
CONFIGURABLE_ALGORITHM_2_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm 2		XDD, XDE/DISEL/FWDRV	82	CAN_EXT_SOCBattery14V
			XDD, XDE/DISEL/RWDRV	0	No configuration
			XDD, XDE/ELECX	0	No configuration
CONFIGURABLE_ALGORITHM_2_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm 2		XDD, XDE	2	>
CONFIGURABLE_ALGORITHM_2_CF.VALUE2	This calibration is used to define the VALUE 2 of the Configurable Algorithm 2		XDD, XDE	22	80% ==> 22 = [80-69)] / 0,5
CONFIGURABLE_ALGORITHM_2_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm 2		XDD, XDE	0	Safe value = 0

Legenda

Parâmetro não utilizado na pasta de configuração (Nack 22 se utilizado)

PARAMETER	FUNCTIONALITY	Apenas ICE	SIZE	UNIT	RESOLUTION	OFFSET	VALUE	MEANING			RENAULT PLANT	RENAULT AFTER SALES
START: PARAMETERS AVAILABLE ONLY FROM SW311												
VH_TYPE	This calibration is used to configure the Vehicle Type		8 bits	decimal	1	0	0	No configuration			Yes	Yes
							1	X82 ph2				
							2	XFK				
							3	XDD				
TRAILER_CF	This calibration is used to activate the Trailer feature		8 bits	boolean	1	0	0	Trailer feature not activated			Yes	Yes
							1	Trailer feature activated				
RALAC_CF	This calibration is used to activate the RALAC feature	X	8 bits	boolean	1	0	0	RALAC feature not activated			Yes	Yes
							1	RALAC feature activated				
RALAC_SW_TYPE_CF	This calibration is used to set button type for RALAC	X	8 bits	boolean	1	0	0	bistable button			Yes	Yes
							1	monostable button (impulse button)				
FRIDGE_DRIVE_CF	This calibration is used to activate the Fridge drive feature	X	8 bits	boolean	1	0	0	Fridge drive feature not activated			Yes	Yes
							1	Fridge drive feature activated				
FRIDGE_RPM_MIN_CF	This calibration is used to select the minimum engine speed for fridge drive activation	X	16 bits	rpm	0,125	0	(value x resolution) + offset = physical value	Minimum engine speed Valor baixo para permitir a transmissão do compressor de refrigeração em todos os casos de motor autónomo			Yes	Yes
FRIDGE_RPM_MAX_CF	This calibration is used to select the maximum engine speed for fridge drive activation	X	16 bits	rpm	0,125	0	(value x resolution) + offset = physical value	Maximum engine speed Valor elevado para permitir a transmissão do compressor de refrigeração em todos os casos de motor autónomo			Yes	Yes
BAT_STABILIZED_CF	This calibration is used to activate the Battery stabilized feature		8 bits	boolean	1	0	0	Battery stabilized feature not activated			Yes	Yes
							1	Battery stabilized feature activated				
BAT_STABILIZED_MIN_VOLTAGE_CF	This calibration is used to select the minimum voltage for the Battery Stabilized feature		3 bits	V	0,5	12	(value x resolution) + offset = physical value	Passar este valor para 13,5 V no caso de uma bateria de iões de lítio (não exceder 13,8 V, caso contrário a bateria de iões de lítio fica em sobretensão)			Yes	Yes
BAT_STABILIZED_VOLTAGE_RATE_CF	This calibration is used to select the voltage rate for the Battery Stabilized feature		8 bits	decimal	1	0	0	No Request			Yes	Yes
							1	Rate 1 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM)				
							2	Rate 2 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM)				
							3	Rate 3 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM)				
BAT_STABILIZED_SW_TYPE_CF	This calibration is used to set button type for Battery stabilized feature		8 bits	boolean	1	0	0	bistable button			Yes	Yes
							1	monostable button (impulse button)				
BATT_COUPLING_CF	This calibration is used to activate the Battery coupling feature		8 bits	boolean	1	0	0	Battery coupling feature not activated			Yes	Yes
							1	Battery coupling feature activated				
SEL_PWR_LIM_CUT_OFF	This calibration is used to activate to Output power cut off		8 bits	boolean	1	0	0	Output power cut off not activated			Yes	Yes
							1	Output power cut off activated				
O_PWM_**X** **(X: 1 to 7)** **7 parameters**	This calibration is used to set the Output PWM **X (1 to 7)** signal		8 bits	decimal	1	0	0	No Configuration			Yes	Yes
							1	VehicleSpeed				
							2	EngineRPM				
							3	ExternalTemperature				
							4	EngineCoolantTemp				
							5	FuelLevelDisplayed				
							6	HVBatteryEnergyLevel				
							7	NightRheostatedLightMaxPercent				
O_LOG_**X**_power_limitation **(X: 1 to 10)** **10 parameters**	This calibration is used to configure the power limitation for Output logical **X** pin **(X: 1 to 10)**		8 bits	boolean	1	0	0	Power limitation on Output logical **X** pin. Power limitation is following vehicule power limitation request			Yes	Yes
							1	**NO** power limitation on Output logical **X** pin				
O_LOGICAL_**X**_SWITCH_OFF_CONDITION **(X: 1 to 10)**	This calibration is used to configure the switch off conditions for the Output logical **X** pin **(X: 1 to 10)**		3 bits	decimal	1	0	0	No switch off			Yes	Yes
							1	Output switched off while engine stopped				
							2	Output switched off while engine starting				

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10 parameters							3	Output switched off while engine stopped & starting				
END: PARAMETERS AVAILABLE ONLY FROM SW311												
START: PARAMETERS AVAILABLE ONLY FROM SW410												
FRIDGE_RPM_HYST_CF	This calibration is used to configure hysteresis in percentage to apply to min and max engine speed	X	8 bits	%	0,392 = 100/255	0	(value x resolution) + offset = physical value	Hystereris value in % for Minimum & Maximum engine speed Exemplo: 3700 - 10% 600-10%			Yes	Yes
ENG_RESTART_CF	This calibration is used to activate the engine restart feature	X	8 bits	boolean	1	0	0	Engine Restart feature not activated			Yes	Yes
							1	Engine Restart feature activated				
MUTE_CF	This calibration is used to activate or desactivate the radio mute feature		8 bits	boolean	1	0	0	Mute feature not activated			Yes	Yes
							1	Mute feature activated				
MUTE_SW_TYPE_CF	This calibration is used to set the button type for Radio Mute		8 bits	boolean	1	0	0	bistable button			Yes	Yes
							1	monostable button (impulse button)				
DOOR_MUTE_DRIVER_CF	This calibration is used to enable driver door to mute Radio		1 bit	boolean	1	0	0	No mute radio when opening a door			Yes	Yes
							1	Mute radio when opening driver door				
DOOR_MUTE_PASSENGER_CF	This calibration is used to enable passenger door to mute Radio		1 bit	boolean	1	0	0	No mute radio when opening a door			Yes	Yes
							1	Mute radio when opening passenger door				
DOOR_MUTE_REAR_RIGHT_CF	This calibration is used to enable rear right door to mute Radio		1 bit	boolean	1	0	0	No mute radio when opening a door			Yes	Yes
							1	Mute radio when opening rear right door				
DOOR_MUTE_REAR_LEFT_CF	This calibration is used to enable rear left door to mute Radio		1 bit	boolean	1	0	0	No mute radio when opening a door			Yes	Yes
							1	Mute radio when opening rear left door				
DOOR_MUTE_TAILGATE_CF	This calibration is used to enable tailgate door to mute Radio		1 bit	boolean	1	0	0	No mute radio when opening a door			Yes	Yes
							1	Mute radio when opening tailgate door				
PRODUCER_LOAD_LOW_CF	This calibration is used to configure the Low threshold for Producer load		8 bits	%	1	0	(value x resolution) + offset = physical value				Yes	Yes
PRODUCER_LOAD_HIGH_CF	This calibration is used to configure the High threshold for Producer load		8 bits	%	1	0	(value x resolution) + offset = physical value				Yes	Yes
PRODUCER_LOAD_HIGH_DELAY_CF	This calibration is used to configure the Producer_load delay for the High threshold		8 bits	s	0,02 s	0	(value x resolution) + offset = physical value				Yes	Yes
O_POWER_CF	This calibration is used to activate the O_POWER supply feature		8 bits	boolean	1	0	0	Output power supply not activated			Yes	Yes
							1	Output power supply activated				
FOOTSTEP_VEH_SPEED_MIN_CF	This calibration is used to configure the threshold for footstep activation.		16 bits	km/h	0.01	0	(value x resolution) + offset = physical value	Do not choose a value < 3km/h because VDC can not deliver a value < 3 km/h			Yes	Yes
FOOTSTEP_VEH_SPEED_HYST_CF	This calibration is used to configure the hysteresis threshold for footstep activation.		16 bits	km/h	0.01	0	(value x resolution) + offset = physical value				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm			Yes	Yes
CONFIGURABLE_ALGORITHM_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm		8 bits	decimal	1	0	0	NOP (no operator OP1)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				
CONFIGURABLE_ALGORITHM_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm		32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm			Yes	Yes
CONFIGURABLE_ALGORITHM_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm		8 bits	decimal	1	0	0	Condition 1 only			Yes	Yes
							1	Condition 1 AND Condition 2				
							2	Condition 1 OR Condition 2				
							3	Condition 1 XOR Condition 2				
							4	NOT (Condition 1 AND Condition 2)				
							5	NOT (Condition 1 OR Condition 2)				
							6	NOT (Condition 1 XOR Condition 2)				
CONFIGURABLE_ALGORITHM_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm			Yes	Yes

Confidencial C

CONFIGURABLE_ALGORITHM_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm		8 bits	decimal	1	0	0	NOP (no operator OP2)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				
CONFIGURABLE_ALGORITHM_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm		32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm			Yes	Yes
CONFIGURABLE_ALGORITHM_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm		8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs			Yes	Yes
							1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				

									SW400 CAN_EXT PARAMETER	SW400 CAN_ADAPT_1 PARAMETER		
I_ANALOG_**X**_CF **(X: 1 to 3)** **3 parameters**	This calibration is used to enable/disable the analog data sent on CAN_EXT and/or CAN_ADAPT_1		8 bits	decimal		0	0	data **not** sent on CAN-EXT and **not** sent on CAN_ADAPT_1	NA	NA	Yes	Yes
							1	data sent on CAN-EXT and **not** sent on CAN_ADAPT_1	AAM_AnalogInputMonitoring**X** **(X: 1 to 3)**	NA		
							2	data **not** sent on CAN_EXT and sent on CAN_ADAPT_1	NA	AnalogInputMonitoring**X** **(X: 1 to 3)**		
							3	data sent on CAN_EXT and sent on CAN_ADAPT_1	AAM_AnalogInputMonitoring**X** **(X: 1 to 3)**	AnalogInputMonitoring**X** **(X: 1 to 3)**		
I_LOG_**X**_CF **(X: 1 to 5)** **5 parameters** X=6, X=7: doesn't exist, HW predisposal only	This calibration is used to enable/disable the logical data sent on CAN_EXT and/or CAN_ADAPT_1		8 bits	decimal		0	0	data **not** sent on CAN-EXT and **not** sent on CAN_ADAPT_1	NA	NA	Yes	Yes
							1	data sent on CAN-EXT and **not** sent on CAN_ADAPT_1	AAM_DigitalInputMonitoring**X** **(X: 1 to 5)**	NA		
							2	data **not** sent on CAN_EXT and sent on CAN_ADAPT_1	NA	DigitalInputMonitoring**X** **(X: 1 to 5)**		
							3	data sent on CAN_EXT and sent on CAN_ADAPT_1	AAM_DigitalInputMonitoring**X** **(X: 1 to 5)**	DigitalInputMonitoring**X** **(X: 1 to 5)**		

END: PARAMETERS AVAILABLE ONLY FROM SW410

START: PARAMETERS AVAILABLE ONLY FROM SW610

CONFIGURABLE_ALGORITHM_2_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm 2		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm 2		8 bits	decimal	1	0	0	NOP (no operator OP1)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				
CONFIGURABLE_ALGORITHM_2_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm 2		32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm 2		8 bits	decimal	1	0	0	Condition 1 only			Yes	Yes
							1	Condition 1 AND Condition 2				
							2	Condition 1 OR Condition 2				
							3	Condition 1 XOR Condition 2				
							4	NOT (Condition 1 AND Condition 2)				
							5	NOT (Condition 1 OR Condition 2)				
							6	NOT (Condition 1 XOR Condition 2)				
CONFIGURABLE_ALGORITHM_2_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm 2		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm 2		8 bits	decimal	1	0	0	NOP (no operator OP2)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				

Confidencial C

CONFIGURABLE_ALGORITHM_2_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm 2		32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm 2		8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs			Yes	Yes
							1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				
CONFIGURABLE_ALGORITHM_3_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm 3		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm 3		8 bits	decimal	1	0	0	NOP (no operator OP1)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				
CONFIGURABLE_ALGORITHM_3_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm 3		32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm 3		8 bits	decimal	1	0	0	Condition 1 only			Yes	Yes
							1	Condition 1 AND Condition 2				
							2	Condition 1 OR Condition 2				
							3	Condition 1 XOR Condition 2				
							4	NOT (Condition 1 AND Condition 2)				
							5	NOT (Condition 1 OR Condition 2)				
							6	NOT (Condition 1 XOR Condition 2)				
CONFIGURABLE_ALGORITHM_3_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm 3		8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm 3		8 bits	decimal	1	0	0	NOP (no operator OP2)			Yes	Yes
							1	=				
							2	>				
							3	>=				
							4	<				
							5	<=				
							6	!=				
CONFIGURABLE_ALGORITHM_3_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm 3		32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm 3		8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs			Yes	Yes
							1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				

END: PARAMETERS AVAILABLE ONLY FROM SW610

START: PARAMETERS AVAILABLE ON: SW311, or SW410, or SW610 (SEE COLUMN "AVAILABLE FROM SW")

								Output Logical X ACTIVE WHEN	SW311 CAN_EXT PARAMETER	SW311 CAN_ADAPT_1 PARAMETER		
O_LOG_**X** **(X: 1 to 10)** **10 parameters**	This calibration is used to set the Output logical **X (1 to 10)** signal		8 bits	decimal	1	0	0	No Configuration	NA	NA	Yes	Yes
							1	001 Brake pedal not pressed 010 Brake pedal pressed 100 Brake pedal confirmed pressed 111 unavailable	BrakeInfoStatus	BrakeSwitchEngineControl		

							2	0 Compressor clutch off 1 Compressor clutch on	ACCompClutchStatus	ACCompressorAuthorized			
							3	00 Not used 01 Clutch pedal not pressed 10 Clutch pedal pressed at minimum 11 Unavailable	ClutchSwitchMinimumTravel	ClutchSwitch			
								00 Not used 01 Clutch pedal not pressed at maximum 10 Clutch pedal pressed at maximum 11 Unavailable	ClutchSwitchMaximumTravel				
							4	00 Unavailable Value 01 Driver door closed 10 Driver door open 11 Not Used	DriverDoorState	DriverDoorState			
								00 Unavailable Value 01 Passenger door closed 10 Passenger door open 11 Not Used	PassengerDoorState	PassengerDoorState			
								00 Unavailable Value 01 Rear Right door closed 10 Rear Right door open 11 Not Used	RearRightDoorState	RearRightDoorState			
								00 Unavailable Value 01 Tail Gate door closed 10 Tail gate door open 11 Not Used	TailGateStatus	TailGateStatus			
								00 Unavailable Value 01 Rear Left door closed 10 Rear Left door open 11 Not Used	RearLeftDoorState	RearLeftDoorState			
							5	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	IgnitionSwitch			
							6	0 Vehicle not locked from the outside by the customer 1 Vehicle Locked from the outside by the customer	VehicleOutsideLockedState	DoorsLocked			
							7	000 left and right flashing indicators OFF 001 left flashing indicator ON and right flashing indicator OFF 010 left flashing indicator OFF and right flashing indicator ON 011 left flashing indicator ON and right flashing indicator ON 111 Unavailable	FlashingIndicatorStatus	FlashingIndicators			
							8	000 left and right flashing indicators OFF 001 left flashing indicator ON and right flashing indicator OFF 010 left flashing indicator OFF and right flashing indicator ON 011 left flashing indicator ON and right flashing indicator ON 111 Unavailable	FlashingIndicatorStatus	HazardLight			
							9	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart (rearranque na saída da fase StopAuto) 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	AutoStart			
							10	0 no AIRBAG system malfunction 1 AIRBAG system malfunction	AIRBAGMalfunction	AIRBAGMalfunction			
							11	00 not used 01 Rear Gear not Engaged 10 Rear Gear Engaged 11 unavailable	RearGearEngaged	RearGearEngaged			
							12	00 not used 01 neutral contact not reached 10 neutral contact reached 11 unavailable	NeutralContact	NeutralContact			

Confidencial C

							13	X82P2: 00 Unavailable 01 No warning 10 AT major failure warning (Level 2) 11 Protection mode activated XFK: 00 Unavailable 01 No warning 10 AT major failure warning (Level 2) 11 Protection mode activated	AT_Level2FailureDisplayRequest	AT_Level2FailureDisplayRequest		
							14	0 position lights display not requested 1 position lights display requested	PositionLightsDisplay	PositionLightsDisplay		
							15	0 High beam display not requested 1 High beam display requested	HighBeamDisplay	HighBeamDisplay		
							16	0 low beam display not requested 1 low beam display requested	LowBeamDisplay	LowBeamDisplay		
							17	0 front fog lights display not requested 1 front fog lights display requested	FrontFogLightsDisplay	FrontFogLightsDisplay		
							18	000 Cruise Control (CC) and Speed Limit (SL) OFF 001 SL active 010 SL on and (awaiting or suspended) 011 SL requested and in failure 100 CC active 101 CC ON and (awaiting or suspended) 110 CC requested and in failure 111 Vehicle not equipped with CC/SL	CruiseControlStatus	CruiseControlStatus		
							19	0 no water detected in diesel 1 water detected in diesel	DieselFilterWaterDetection	DieselFilterWaterDetection		
							20	0 no Engine Control Failure Level 1 1 Engine Control Failure Level 1	EngineControlFailureLevel1	EngineControlFailureLevel1		
							21	0 no Engine Control Failure Level 2 create by stoping the engine 1 Engine Control Failure Level 2 create by stoping the engine	EngineControlFailureLevel2	EngineControlFailureLevel2		
							22	0 no water temperature warning 1 water temperature warning	WarningWaterTemp	WarningWaterTemp		
							23	No test of readiness codes status and Readiness Codes completed and MIL lamp off request No test of readiness codes status and Readiness Codes completed and MIL Lamp on request No test of readiness codes status and Readiness Codes completed and MIL lamp flash request No test of readiness codes status and Readiness Codes completed and MIL lamp auto-test	MILLamp	MILLamp		
							24	0 no ABS regulation 1 ABS in regulation	ABSinRegulation	ABSinRegulation		
							25	0 no ABS malfunction 1 ABS malfunction	ABSMalfunction	ABSMalfunction		
							26	0 no ASR regulation 1 ASR in regulation	ASRinRegulation	ASRinRegulation		
							27	0 No AYC in regulation 1 AYC in regulation	AYCinRegulation	AYCinRegulation		
							28	0 no MSR regulation 1 MSR in regulation	MSRinRegulation	MSRinRegulation		
							29	0 no AYC malfunction 1 AYC malfunction	AYCMalfunction	AYCMalfunction		
							30	0000 declutched at rest 0001 1st range 0010 2nd range 0011 3rd range 0100 4th range 0101 5th range 0110 6th range 0111 7th range 1000 8th range 1001 reverse 1010 neutral or parking 1011 CVT in continuous mode 1100 9th range 1101 10th range 1110 Not used 1111 AT in limphome	TransmRangeEngaged_Current	TransmRangeEngaged_Current		
							31	0000 warning 0001 1 bargraph element displayed 0010 2 bargraph element displayed 0011 3 bargraph element displayed 0100 4 bargraph element displayed 0101 5 bargraph element displayed 0110 6 bargraph element displayed 0111 7 bargraph element displayed 1000 8 bargraph element displayed 1001 Not used 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 not available	DisplayedOilLevel	DisplayedOilLevel		
							32	0 Not Locked 1 Locked	CockpitLocked_State	CockpitLocked_State		

Confidencial C

							33	0 Loading area Not Locked 1 Loading area Locked	LoadingAreaLocked_State	LoadingAreaLocked_State			
							34	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	PowertrainRunning			
							35	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	StartingInProgress (= na fase de arranque do motor StartingInProgress ou AutoStart)	StartingInProgress			
							36	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	IgnitionLevel			
							37	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	BatTempoLevel			
							38	0 no trailer detected 1 trailer detected	TrailerPresence	TrailerPresence			
							39	00 SB Not monitored 01 SB unfastened 10 SB fastened 11 Unavailable	DriverSafetyBeltBuckleState	DriverSafetyBeltBuckleState			

Confidencial C

							40	0 No VDC (ESC) malfunction 1 VDC (ESC) malfunction	ESCMalfunction	ESCMalfunction			
							42	000 No Request 001 Life on Board Low SOC power limitation 010 Delivery Mode power limitation 011 Battery Disconnection power limitation 100 Producer failure power limitation 101 Not used 110 Not used 111 Not used	EEM_StaticPowerLimitationRequest	EEM_StaticPowerLimitationRequest			
							43	0 Brake Lamp Off 1 Brake Lamp On	BrakeLampStatus	BrakeLampStatus			
							44	00 Not used 01 Input logical 1 = ON (ground) 10 Input logical 1 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring1	DigitalInputMonitoring1			
							45	00 Not used 01 Input logical 2 = ON (ground) 10 Input logical 2 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring2	DigitalInputMonitoring2			
							46	00 Not used 01 Input logical 3 = ON (ground) 10 Input logical 3 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring3	DigitalInputMonitoring3			
							47	00 Not used 01 Input logical 4 = ON (ground) 10 Input logical 4 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring4	DigitalInputMonitoring4			
							48	00 Not used 01 Input logical 5 = ON (ground) 10 Input logical 5 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring5	DigitalInputMonitoring5			
							49	0 no Idle Speed Increase activation 1 Idle Speed Increase activation	EngIdleSpeedIncreaseStatus	EngIdleSpeedIncreaseStatus			
							50	0 Stop lamps flashing no requested 1 Stop lamps flashing requested	StopLampFlashingRequest	StopLampFlashingRequest			
							~~51~~	~~0 VDC available~~ ~~1 VDC disable~~	~~VDC_Deactivated~~	~~VDC_Deactivated~~			
							52	0000 Not initialized 0001 Starting sequence 0010 Nominal Mode 0011 Producer power limitation 0100 Producer communication fault is detected 0101 Producer communication fault is confirmed 0110 Producer fault is detected 0111 Producer fault is confirmed 1000 Undervoltage is detected 1001 Undervoltage is confirmed 1010 Overvoltage is detected 1011 Overvoltage is confirmed 1100 CAN fault is detected 1101 CAN fault is confirmed 1110 Not used 1111 Unavailable	VoltageRegulationStatus_V2	VoltageRegulationStatus_V2			
							53	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, rom CAN_ADAPT_1 message set V3.3)			
							54	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, rom CAN_ADAPT_1 message set V3.3)			

Confidencial C

							55	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, rom CAN_ADAPT_1 message set V3.3)		
							56	FridgeDrive activated	NA (not on CAN_EXT)	NA (not on CAN_ADAPT_1)		
							57	Battery coupling activated	NA (not on CAN_EXT)	NA (not on CAN_ADAPT_1)		
							58	Footstep activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
							59	Configurable algorithm 1 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
							66	Configurable algorithm 2 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
							67	Configurable algorithm 3 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
							255	Invalid value saida não utilizada, nenhuma atribuição	NA	NA	Yes	Yes

STOP: PARAMETERS AVAILABLE ON: SW311, SW410 or SW610 (SEE COLUMN "AVAILABLE FROM SW")

comentário J. MAISON sobre necessidades dos chapeiros

PARAMETER	FUNCTIONALITY	SIZE	UNIT	RESOLUTION	OFFSET	VALUE	MEANING				RENAULT PLANT	RENAULT AFTER SALES
START: PARAMETERS AVAILABLE ONLY FROM SW311												
VH_TYPE	This calibration is used to configure the Vehicle Type	8 bits	decimal	1	0	0 1 2 3	No configuration X82 ph2 X84 X0D				Yes	Yes
TRAILER_CF	This calibration is used to activate the Trailer feature	8 bits	boolean	1	0	0 1	Trailer feature not activated Trailer feature activated				Yes	Yes
RALAC_CF	This calibration is used to activate the RALAC feature	8 bits	boolean	1	0	0 1	RALAC feature not activated RALAC feature activated				Yes	Yes
RALAC_SW_TYPE_CF	This calibration is used to set button type for RALAC	8 bits	boolean	1	0	0 1	bistable button monostable button (impulse button)				Yes	Yes
FRIDGE_DRIVE_CF	This calibration is used to activate the Fridge drive feature	8 bits	boolean	1	0	0 1	Fridge drive feature not activated Fridge drive feature activated				Yes	Yes
FRIDGE_RPM_MIN_CF	This calibration is used to select the minimum engine speed for fridge drive activation	16 bits	rpm	0,125	0	(value x resolution) + offset = physical value	Minimum engine speed Valor baixo para permitir a transmissão do compressor de refrigeração em todos os casos de motor autónomo				Yes	Yes
FRIDGE_RPM_MAX_CF	This calibration is used to select the maximum engine speed for fridge drive activation	16 bits	rpm	0,125	0	(value x resolution) + offset = physical value	Maximum engine speed Valor elevado para permitir a transmissão do compressor de refrigeração em todos os casos de motor autónomo				Yes	Yes
BAT_STABILIZED_CF	This calibration is used to activate the Battery stabilized feature	8 bits	boolean	1	0	0 1	Battery stabilized feature not activated Battery stabilized feature activated				Yes	Yes
BAT_STABILIZED_MIN_VOLTAGE_CF	This calibration is used to select the minimum voltage for the Battery Stabilized feature	3 bits	V	0,5	12	(value x resolution) + offset = physical value	Passar este valor para 13,5 V no caso de uma bateria de iões de lítio (não exceder 13,8 V, caso contrário a bateria de iões de lítio fica em sobrelensão)				Yes	Yes
BAT_STABILIZED_VOLTAGE_RATE_CF	This calibration is used to select the voltage rate for the Battery Stabilized feature	8 bits	decimal	1	0	0 1 2 3	No Request Rate 1 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM) Rate 2 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM) Rate 3 (a correspondência entre o Rate e V/S é efetuada através da configuração do calculador USM)				Yes	Yes
BAT_STABILIZED_SW_TYPE_CF	This calibration is used to set button type for Battery stabilized feature	8 bits	boolean	1	0	0 1	bistable button monostable button (impulse button)				Yes	Yes
BATT_COUPLING_CF	This calibration is used to activate the Battery coupling feature	8 bits	boolean	1	0	0 1	Battery coupling feature not activated Battery coupling feature activated				Yes	Yes
SEL_PWR_LIM_CUT_OFF	This calibration is used to activate to Output power cut off	8 bits	boolean	1	0	0 1	Output power cut off not activated Output power cut off activated				Yes	Yes
O_PWM_**X** **(X: 1 to 7)** **7 parameters**	This calibration is used to set the Output PWM **X (1 to 7)** signal	8 bits	decimal	1	0	0 1 2 3 4 5 6 7	No Configuration VehicleSpeed EngineRPM ExternalTemperature EngineCoolantTemp FuelLevelDisplayed HVBatteryEnergyLevel NbrHPRecirculatedLoinModPercent				Yes	Yes
O_LOG_**X**_power_limitation **(X: 1 to 10)** **10 parameters**	This calibration is used to configure the power limitation for Output logical **X** pin **(X: 1 to 10)**	8 bits	boolean	1	0	0 1	Power limitation on Output logical **X** pin. Power limitation is following vehicule power limitation request **NO** power limitation on Output logical **X** pin				Yes	Yes
O_LOGICAL_**X**_SWITCH_OFF_CONDITION **(X: 1 to 10)** **10 parameters**	This calibration is used to configure the switch off conditions for the Output logical **X** pin **(X: 1 to 10)**	3 bits	decimal	1	0	0 1 2 3	No switch off Output switched off while engine stopped Output switched off while engine starting Output switched off while engine stopped & starting				Yes	Yes
END: PARAMETERS AVAILABLE ONLY FROM SW311												
START: PARAMETERS AVAILABLE ONLY FROM SW410												
FRIDGE_RPM_HYST_CF	This calibration is used to configure hysteresis in percentage to apply to min and max engine speed	8 bits	%	0,392 = 100/255	0	(value x resolution) + offset = physical value	Hysterese value in % for Minimum & Maximum engine speed Exemplo: 3700 - 10% 800-10%				Yes	Yes
ENG_RESTART_CF	This calibration is used to activate the engine restart feature	8 bits	boolean	1	0	0 1	Engine Restart feature not activated Engine Restart feature activated				Yes	Yes
MUTE_CF	This calibration is used to activate or desactivate the radio mute feature	8 bits	boolean	1	0	0 1	Mute feature not activated Mute feature activated				Yes	Yes
MUTE_SW_TYPE_CF	This calibration is used to set the button type for Radio Mute	8 bits	boolean	1	0	0 1	bistable button monostable button (impulse button)				Yes	Yes
DOOR_MUTE_DRIVER_CF	This calibration is used to enable driver door to mute Radio	1 bit	boolean	1	0	0 1	No mute radio when opening a door Mute radio when oceninro driver door				Yes	Yes
DOOR_MUTE_PASSENGER_CF	This calibration is used to enable passenger door to mute Radio	1 bit	boolean	1	0	0 1	No mute radio when opening a door Mute radio when oceninro passenger door				Yes	Yes
DOOR_MUTE_REAR_RIGHT_CF	This calibration is used to enable rear right door to mute Radio	1 bit	boolean	1	0	0 1	No mute radio when oceninro a door Mute radio when opening rear right door				Yes	Yes
DOOR_MUTE_REAR_LEFT_CF	This calibration is used to enable rear left door to mute Radio	1 bit	boolean	1	0	0 1	No mute radio when opening a door Mute radio when opening rear left door				Yes	Yes
DOOR_MUTE_TAILGATE_CF	This calibration is used to enable tailgate door to mute Radio	1 bit	boolean	1	0	0 1	No mute radio when opening a door Mute radio when oceninro tailgate door				Yes	Yes
PRODUCER_LOAD_LOW_CF	This calibration is used to configure the Low threshold for Producer load	8 bits	%	1	0	(value x resolution) + offset = physical value					Yes	Yes
PRODUCER_LOAD_HIGH_CF	This calibration is used to configure the High threshold for Producer load	8 bits	%	1	0	(value x resolution) + offset = physical value					Yes	Yes
PRODUCER_LOAD_HIGH_DELAY_CF	This calibration is used to configure the Producer_load delay for the High threshold	8 bits	s	0,02 s	0	(value x resolution) + offset = physical value					Yes	Yes
O_POWER_CF	This calibration is used to activate the O_POWER supply feature	8 bits	boolean	1	0	0 1	Output power supply not activated Output power supply activated				Yes	Yes
FOOTSTEP_VEH_SPEED_MIN_CF	This calibration is used to configure the threshold for footstep activation.	16 bits	kmh	0,01	0	(value x resolution) + offset = physical value	Do not choose a value < 3kmh because VDC can not deliver a value < 3 kmh				Yes	Yes
FOOTSTEP_VEH_SPEED_HYST_CF	This calibration is used to configure the hysteresis threshold for footstep activation	16 bits	kmh	0,01	0	(value x resolution) + offset = physical value					Yes	Yes
CONFIGURABLE_ALGORITHM_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm	8 bits	decimal	1	0	0 1 2 3 4 5 6	NOP (no operator OP1) = > >= < <= !=				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm	32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm	8 bits	decimal	1	0	0 1 2 3 4 5 6	Condition 1 only Condition 1 AND Condition 2 Condition 1 OR Condition 2 Condition 1 XOR Condition 2 NOT (Condition 1 AND Condition 2) NOT (Condition 1 OR Condition 2) NOT (Condition 1 XOR Condition 2)				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm	8 bits	decimal	1	0	0 1 2 3 4 5 6	NOP (no operator OP2) = > >= < <= !=				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm	32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm				Yes	Yes
CONFIGURABLE_ALGORITHM_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable	8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				Yes	Yes

[illegible]	[illegible] Algorithm	[illegible]	[illegible]			1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				
								SW400 CAN_EXT PARAMETER	**SW400 CAN_ADAPT_1 PARAMETER**		
I_ANALOG_X_CF **(X: 1 to 3)** **3 parameters**	This calibration is used to enable/disable the analog data sent on CAN_EXT and/or CAN_ADAPT_1	8 bits	decimal		0	0	data **not** sent on CAN-EXT and **not** sent on CAN_ADAPT_1	NA	NA	Yes	Yes
						1	data sent on CAN-EXT and **not** sent on CAN_ADAPT_1	AAM_AnalogInputMonitoringX **(X: 1 to 3)**	NA		
						2	data **not** sent on CAN_EXT and sent on CAN_ADAPT_1	NA	AnalogInputMonitoringX **(X: 1 to 3)**		
						3	data sent on CAN_EXT and sent on CAN_ADAPT_1	AAM_AnalogInputMonitoringX **(X: 1 to 3)**	AnalogInputMonitoringX **(X: 1 to 3)**		
I_LOG_X_CF **(X: 1 to 5)** **5 parameters** X=6, X=7: doesn't exist, HW predisposal only	This calibration is used to enable/disable the logical data sent on CAN_EXT and/or CAN_ADAPT_1	8 bits	decimal		0	0	data **not** sent on CAN-EXT and **not** sent on CAN_ADAPT_1	NA	NA	Yes	Yes
						1	data sent on CAN-EXT and **not** sent on CAN_ADAPT_1	AAM_DigitalInputMonitoringX **(X: 1 to 4)**	NA		
						2	data **not** sent on CAN_EXT and sent on CAN_ADAPT_1	NA	DigitalInputMonitoringX **(X: 1 to 5)**		
						3	data sent on CAN_EXT and sent on CAN_ADAPT_1	AAM_DigitalInputMonitoringX **(X: 1 to 4)**	DigitalInputMonitoringX **(X: 1 to 5)**		

END: PARAMETERS AVAILABLE ONLY FROM SW410

START: PARAMETERS AVAILABLE ONLY FROM SW610

CONFIGURABLE_ALGORITHM_2_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm 2	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm 2	8 bits	decimal	1	0	0	NOP (no operator OP1)			Yes	Yes
						1	<				
						2	>				
						3	==				
						4	!				
						5	>=				
						6	<=				
CONFIGURABLE_ALGORITHM_2_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm 2	32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm 2	8 bits	decimal	1	0	0	Condition 1 only			Yes	Yes
						1	Condition 1 AND Condition 2				
						2	Condition 1 OR Condition 2				
						3	Condition 1 XOR Condition 2				
						4	NOT (Condition 1 AND Condition 2)				
						5	NOT (Condition 1 OR Condition 2)				
						6	NOT (Condition 1 XOR Condition 2)				
CONFIGURABLE_ALGORITHM_2_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm 2	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm 2	8 bits	decimal	1	0	0	NOP (no operator OP2)			Yes	Yes
						1	<				
						2	>				
						3	==				
						4	!				
						5	>=				
						6	<=				
CONFIGURABLE_ALGORITHM_2_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm 2	32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm 2			Yes	Yes
CONFIGURABLE_ALGORITHM_2_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm 2	8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs			Yes	Yes
						1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				
CONFIGURABLE_ALGORITHM_3_CF.VAR1	This calibration is used to define the VAR1 of the Configurable Algorithm 3	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 1 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.OP1	This calibration is used to define the OP1 of the Configurable Algorithm 3	8 bits	decimal	1	0	0	NOP (no operator OP1)			Yes	Yes
						1	<				
						2	>				
						3	==				
						4	!				
						5	>=				
						6	<=				
CONFIGURABLE_ALGORITHM_3_CF.VALUE1	This calibration is used to define the VALUE1 of the Configurable Algorithm 3	32 bits	signed	1	0	VALUE 1 = [(physical value 1) - (offset)] / resolution	VALUE 1 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.COMB OP	This calibration is used to define the COMB OP of the Configurable Algorithm 3	8 bits	decimal	1	0	0	Condition 1 only			Yes	Yes
						1	Condition 1 AND Condition 2				
						2	Condition 1 OR Condition 2				
						3	Condition 1 XOR Condition 2				
						4	NOT (Condition 1 AND Condition 2)				
						5	NOT (Condition 1 OR Condition 2)				
						6	NOT (Condition 1 XOR Condition 2)				
CONFIGURABLE_ALGORITHM_3_CF.VAR2	This calibration is used to define the VAR2 of the Configurable Algorithm 3	8 bits	decimal	1	0	See Tab "Configurable Algorithm"	VAR 2 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.OP2	This calibration is used to define the OP2 of the Configurable Algorithm 3	8 bits	decimal	1	0	0	NOP (no operator OP2)			Yes	Yes
						1	<				
						2	>				
						3	==				
						4	!				
						5	>=				
						6	<=				
CONFIGURABLE_ALGORITHM_3_CF.VALUE2	This calibration is used to define the VALUE2 of the Configurable Algorithm 3	32 bits	signed	1	0	VALUE 2 = [(physical value 2) - (offset)] / resolution	VALUE 2 for Configurable Algorithm 3			Yes	Yes
CONFIGURABLE_ALGORITHM_3_CF.SAFE_VAL	This calibration is used to define the SAFE_VAL of the Configurable Algorithm 3	8 bits	boolean	1	0	0	Output logical X inactive (open circuit) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs			Yes	Yes
						1	Output logical X active (ground) when: - invalid value sent by ECUs - frame not received by AAM - init value sent by ECUs				

END: PARAMETERS AVAILABLE ONLY FROM SW610

START: PARAMETERS AVAILABLE ON: SW311, or SW410, or SW610 (SEE COLUMN "AVAILABLE FROM SW")

							Output Logical X ACTIVE WHEN	**SW311 CAN_EXT PARAMETER**	**SW311 CAN_ADAPT_1 PARAMETER**		
O_LOG_X **(X: 1 to 10)** **10 parameters**	This calibration is used to set the Output logical **X (1 to 10)** signal	8 bits	decimal	1	0	0	No Configuration	NA	NA	Yes	Yes
						1	001 Brake pedal not pressed 010 Brake pedal pressed 100 Brake pedal confirmed pressed 111 Unavailable	BrakeInfoStatus	BrakeSwitchEngineControl		
						2	0 Compressor clutch off 1 Compressor clutch on	ACCompClutchStatus	ACCompressorAuthorized		
						3	00 Not used 01 Clutch pedal not pressed 10 Clutch pedal pressed at minimum 11 Unavailable	ClutchSwitchMinimumTrasel	ClutchSwitch		
							00 Not used 01 Clutch pedal not pressed at maximum 10 Clutch pedal pressed at maximum 11 Unavailable	ClutchSwitchMaximumTrasel			
						4	00 Unvailable Value 01 Driver door closed 10 Driver door open 11 Not Used	DriverDoorState	DriverDoorState		
							00 Unvailable Value 01 Passenger door closed 10 Passenger door open 11 Not Used	PassengerDoorState	PassengerDoorState		
							00 Unvailable Value 01 Rear Right door closed 10 Rear Right door open 11 Not Used	RearRightDoorState	RearRightDoorState		
							00 Unvailable Value 01 Tail Gate door closed 10 Tail gate door open 11 Not Used	TailGateStatus	TailGateStatus		
							00 Unvailable Value 01 Rear Left door closed 10 Rear Left door open 11 Not Used	RearLeftDoorState	RearLeftDoorState		

deteção da iniciativa do condutor de pressionar o travão (contactor de pedal)

Traduz o estado ligado do compressor do ar condicionado para os ICE
No caso dos ICE, permite:
Ativar os elementos do ar condicionado adicional apenas se circular frêon
Evitar a ativação de um elemento adicional acionado pelo motor se o compressor do ar condicionado do veículo estiver ativado de modo a não consumir demasiado binário no arranque.

A necessidade de base é poder detetar a ativação do compressor do ar condicionado do veículo de base em ICE e EV e não apenas o estado da embraiagem (em EV não existe embraiagem de acoinamento, mas sim um motor elétrico)
=> solicitado em SW500 para o estado ativo ou inativo do ar condicionado (DFC 13)

deteção da iniciativa do condutor no início ou no fim da pressão (não permite traduzir o estado da cadeia cinemática).

Para obter um estado desacoplado da cadeia cinemática, é necessário utilizar um algoritmo conf. (curso máximo = 2)

estado de abertura/fecho e localização de pelo menos 1 porta

Para poder localizar a porta aberta, utilizar um algoritmo conf. (estado da porta considerada = 2)

						5	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartinginProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	IgnitionSwitch		Key On APC elétrico disponível
						6	0 Vehicle not locked from the outside by the customer 1 Vehicle Locked from the outside by the customer	VehicleOutsideLockedState	DoorsLocked		Deteção de saída e veículo trancado Informação disponível durante um período limitado (uns segundos) necessidade de informação de veículo seguro sem entrada possível
						7	000 left and right flashing indicators OFF 001 left flashing indicator ON and right flashing indicator OFF 010 left flashing indicator OFF and right flashing indicator ON 011 left flashing indicator ON and right flashing indicator ON 111 Unavailable	FlashingIndicatorStatus	FlashingIndicators		Necessidade de saber se o veículo está a mudar de direção Uma saída lógica por lado e por estado de comando Neste caso, indica uma mudança de direção (excluindo quatro piscas), não há distinção entre as luzes de direção esquerdas e direitas É um estado de lâmpada sem unidade de controlo (a informação muda de estado como a intermitência)
						8	000 left and right flashing indicators OFF 001 left flashing indicator ON and right flashing indicator OFF 010 left flashing indicator OFF and right flashing indicator ON 011 left flashing indicator ON and right flashing indicator ON 111 Unavailable	FlashingIndicatorStatus	HazardLight		Necessidade de ter um estado de quatro piscas, saída lógica no estado do comando e não no estado da lâmpada Aqui temos o estado da lâmpada
						9	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartinginProgress 0111 PowertrainRunning 1000 AutoStart (rearranque na saída da fase StopAuto) 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	AutoStart		
						10	0 no AIRBAG system malfunction 1 AIRBAG system malfunction	AIRBAGMalfunction	AIRBAGMalfunction		Estado de falha do sistema de airbag (não na inibição)
						11	00 not used 01 Rear Gear not Engaged 10 Rear Gear Engaged 11 unavailable	RearGearEngaged	RearGearEngaged		Detetar a posição da alavanca em marcha-atrás Permitir ou não a ação de uma transformação da posição da alavanca do veículo Não traduz o sentido de marcha do veículo
						12	00 not used 01 neutral contact not reached 10 neutral contact reached 11 unavailable	NeutralContact	NeutralContact		Detetar a posição da alavanca em ponto-morto Permitir ou não a ação de uma transformação no facto de a cadeia cinemática estar desacoplada Não traduz o sentido de marcha do veículo
						13	4G2P2: 00 Unavailable 01 No warning 10 AT major failure warning (Level 2) 11 Protection mode activated 4F6: 00 Unavailable 01 No warning 10 AT major failure warning (Level 2) 11 Protection mode activated	AT_Level2FailureDisplayRequest	AT_Level2FailureDisplayRequest		Falha da caixa igual ao indicador luminoso do quadro de instrumentos
						14	0 position lights display not requested 1 position lights display requested	PositionLightsDisplay	PositionLightsDisplay		
						15	0 High beam display not requested 1 High beam display requested	HighBeamDisplay	HighBeamDisplay		
						16	0 low beam display not requested 1 low beam display requested	LowBeamDisplay	LowBeamDisplay		
						17	0 front fog lights display not requested 1 front fog lights display requested	FrontFogLightsDisplay	FrontFogLightsDisplay		
						18	000 Cruise Control (CC) and Speed Limit (SL) OFF 001 SL active 010 SL on and (awaiting or suspended) 011 SL requested and in failure 100 CC active 101 CC ON and (awaiting or suspended) 110 CC requested and in failure 111 Vehicle not equipped with CC/SL	CruiseControlStatus	CruiseControlStatus		necessidade de ativar uma transformação se for garantido que o veículo não pode ultrapassar determinada velocidade, por exemplo, veículo de obras rodoviárias (karcher, etc.) ou que o condutor não ultrapassa um limite de velocidade numa zona **Problema** O sinal emitido não se baseia num ponto de regulação da velocidade aplicada, mas apenas numa ação do interruptor principal LV => inútil no estado atual O LC **não pode ser aplicado abaixo de 30 km/h** Informação de excesso de limite de velocidade possível através de Post Step Qual é o objetivo? A eliminar
						19	0 no water detected in diesel 1 water detected in diesel	DieselFilterWaterDetection	DieselFilterWaterDetection		Deteção para veículo de frota
						20	0 no Engine Control Failure Level 1 1 Engine Control Failure Level 1	EngineControlFailureLevel 1	EngineControlFailureLevel 1		Falha menor do motor igual a IHM do quadro de instrumentos (laranja)
						21	0 no Engine Control Failure Level 2 create by stoping the engine 1 Engine Control Failure Level 2 create by stoping the engine	EngineControlFailureLevel 2	EngineControlFailureLevel 2		Falha grave do motor igual a IHM do quadro de instrumentos (vermelho)
						22	0 no water temperature warning 1 water temperature warning	WarningWaterTemp	WarningWaterTemp		Alerta de veículo de frota ou utilizador no exterior do veículo Caso de utilização do veículo com o motor ligado em carga quando parado Sinal para redução do consumo de potência na transformação
						23	No test of readiness codes status and Readiness Codes completed and MIL lamp off request No test of readiness codes status and Readiness Codes completed and MIL Lamp on request No test of readiness codes status and Readiness Codes completed and MIL lamp flash request No test of readiness codes status and Readiness Codes completed and MIL lamp auto-test	MILLamp	MILLamp		
						24	0 no ABS regulation 1 ABS in regulation	ABSinRegulation	ABSinRegulation		
						25	0 no ABS malfunction 1 ABS malfunction	ABSMalfunction	ABSMalfunction		
						26	0 no ASR regulation 1 ASR in regulation	ASRinRegulation	ASRinRegulation		Que função está em ação ou qual a anomalia?
						27	0 No AYC in regulation 1 AYC in regulation	AYCinRegulation	AYCinRegulation		
						28	0 no MSR regulation 1 MSR in regulation	MSRinRegulation	MSRinRegulation		
						29	0 no AYC malfunction 1 AYC malfunction	AYCMalfunction	AYCMalfunction		
						30	0000 declutched at rest 0001 1st range 0010 2nd range 0011 3rd range 0100 4th range 0101 5th range 0110 6th range 0111 7th range 1000 8th range 1001 reverse 1010 neutral or parking 1011 CVT in continuous mode 1100 9th range 1101 10th range 1110 Not used 1111 AT in limphome	TransmRangeEngaged_Current	TransmRangeEngaged_Current		Informação sobre a mudança da CV engatada Com o algoritmo conf., é possível saber que mudança está engatada
						31	0000 warning 0001 1 bargraph element displayed 0010 2 bargraph element displayed 0011 3 bargraph element displayed 0100 4 bargraph element displayed 0101 5 bargraph element displayed 0110 6 bargraph element displayed 0111 7 bargraph element displayed 1000 8 bargraph element displayed 1001 Not used 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 not available	DisplayedOilLevel	DisplayedOilLevel		Alerta de veículo de frota em ICE
						32	0 Not Locked 1 Locked	CockpitLocked_State	CockpitLocked_State		Informação de veículo de frota Proibir a ação de um transformador se a porta estiver aberta
						33	0 Loading area Not Locked 1 Loading area Locked	LoadingAreaLocked_State	LoadingAreaLocked_State		Informação de veículo de frota Proibir a ação de um transformador se a porta estiver aberta
						34	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartinginProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	PowertrainRunning		Em ICE, informação do motor ligado autónomo Em EV, motor ativo
						35	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartinginProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	StartinginProgress (= na fase de arranque do motor StartinginProgress ou AutoStart)	StartinginProgress		Em ICE, informação do motor na fase de arranque (motor de arranque), iniciativa do condutor ou rearranque automático Em EV, estado transitório antes do arranque do veículo (visualização de pronto no quadro de instrumentos)
						36	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartinginProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	IgnitionLevel		Traduz um estado do veículo em APC, apenas antes do arranque Mas esta saída passa para 0 quando o veículo arranca Não diretamente utilizável para autorizar uma ativação de transformação, é um estado transitório na missão do veículo => utilizar a informação Ignition switch inicial, as alimentações estão sempre presentes, (ler **IgnitionSwitch**) que traduz um verdadeiro estado APC elétrico permitindo autorizar o funcionamento da transformação na missão do veículo

Para traduzir um possível estado de alimentação para transformação
Utilizar IgnitionSwitch

Para informação do próximo corte de alimentação, utilizar
CutoffPending através do algoritmo conf.
Sinal do próximo corte de alimentação através de
CutoffPending presente antes de Sleeping, detetar mudança para 1 para informação de alerta do próximo de corte de alimentação

						37	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempsLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	BatTempsLevel		
						38	0 no trailer detected 1 trailer detected	TrailerPresence	TrailerPresence		
						39	00 SB Not monitored 01 SB unfastened 10 SB fastened 11 Unavailable	DriverSafetyBeltBuckleState	DriverSafetyBeltBuckleState		
						40	0 No VDC (ESC) malfunction 1 VDC (ESC) malfunction	ESCMalfunction	ESCMalfunction		
						42	000 No Request 001 Life on Board Low SOC power limitation 010 Delivery Mode power limitation 011 Battery Disconnection power limitation 100 Producer failure power limitation 101 Not used 110 Not used 111 Not used	EEM_StaticPowerLimitationRequest	EEM_StaticPowerLimitationRequest		
						43	0 Brake Lamp Off 1 Brake Lamp On	BrakeLampStatus	BrakeLampStatus		
						44	00 Not used 01 Input logical 1 = ON (ground) 10 Input logical 1 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring1	DigitalInputMonitoring1		
						45	00 Not used 01 Input logical 2 = ON (ground) 10 Input logical 2 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring2	DigitalInputMonitoring2		
						46	00 Not used 01 Input logical 3 = ON (ground) 10 Input logical 3 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring3	DigitalInputMonitoring3		
						47	00 Not used 01 Input logical 4 = ON (ground) 10 Input logical 4 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring4	DigitalInputMonitoring4		
						48	00 Not used 01 Input logical 5 = ON (ground) 10 Input logical 5 = OFF (open circuit) 11 Unavailable	AAM_DigitalInputMonitoring5	DigitalInputMonitoring5		
						49	0 no Idle Speed Increase activation 1 Idle Speed Increase activation	EngIdleSpeedIncreaseStatus	EngIdleSpeedIncreaseStatus		
						50	0 Stop lamps flashing no requested 1 Stop lamps flashing requested	StopLampFlashingRequest	StopLampFlashingRequest		
						~~51~~	~~0 VDC available~~ ~~1 VDC disable~~	~~VDC_Disativated~~	~~VDC_Disativated~~		
						52	0000 Not initialized 0001 Starting sequence 0010 Normal Mode 0011 Producer power limitation 0100 Producer communication fault is detected 0101 Producer communication fault is confirmed 0110 Producer fault is detected 0111 Producer fault is confirmed 1000 Undervoltage is detected 1001 Undervoltage is confirmed 1010 Overvoltage is detected 1011 Overvoltage is confirmed 1100 CAN fault is detected 1101 CAN fault is confirmed 1110 Not used 1111 Unavailable	VoltageRegulationStatus_v2	VoltageRegulationStatus_v2		
						53	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempsLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, non CAN_ADAPT_1 message set V3.3)		
						54	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempsLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, non CAN_ADAPT_1 message set V3.3)		
						55	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempsLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress 0111 PowertrainRunning 1000 AutoStart 1001 EngineSystemStop 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable	VehicleStates	VehicleStates (available from SW610, non CAN_ADAPT_1 message set V3.3)		
						56	FridgeDrive activated	NA (not on CAN_EXT)	NA (not on CAN_ADAPT_1)		
						57	Battery coupling activated	NA (not on CAN_EXT)	NA (not on CAN_ADAPT_1)		
						58	Footstep activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
						59	Configurable algorithm 1 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
						66	Configurable algorithm 2 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
						67	Configurable algorithm 3 activated	NA (not on CAN_EXT)	NA (not on CAN_EXT)	Yes	Yes
						255	Invalid value saída não utilizada, nenhuma atribuição	NA	NA	Yes	Yes

STOP: PARAMETERS AVAILABLE ON: SW311, SW410 or SW610 (SEE COLUMN "AVAILABLE FROM SW")

Sinal presente quando o veiculo acorda
Desaparece após uns minutos
Desaparece em qualquer estado superior (quando o veículo está na posição Key On, etc.)

Deteção da ligação elétrica à tomada do atrelado

Deteção do aperto do cinto do condutor

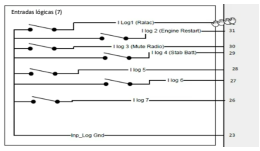
Anomalia
não relacionada com ESP OFF

Não permite abranger todos os casos de proibição de consumo
=> escolher power cut off

Traduz apenas o estado da lâmpada acesa

Traduz o estado das entradas lógicas da transformação para alimentar um IHM ou relé, consultar o guia

Lembrete
(RALAC = ilog 1/Engine Restart = ilog 2/Mute Radio = ilog3/Stabilized Battery = ilog 4/ilog 5 a 7, o chapeiro não pode atribuir as funções do veículo ao ilog
um algoritmo configurável pode utilizar os ilogs (por exemplo, combinação de um ilog com um estado do veículo)



Traduz que o motor está em RALAC realizado
Este feedback de função pode estar apenas em O_log1

Saída em 1 se, no mínimo, regime RALAC

Atenção: se o feedback for apenas para um valor de regime RALAC (sem histerese de regime calibrável do lado do controlo do motor possível na tolerância do regime do motor, por exemplo, 50 rpm), as pequenas variações de regime provocam flutuações no estado da saída
=> por realizar (sem especificações do lado do motor?)
=> não utilizar esta função

Compensar pelo algoritmo configurável na saída ativa se o regime do motor for > ao valor do limiar

Intermitência das luzes de stop no caso de travagem de emergência (por exemplo, AEBS)

Não disponível em XFK e X82 (informação não produzida pelo ESP)

Em XDD Grip Control, a ausência de controlo da trajetória implica um controlo da trajetória TBC

Regulação da tensão da rede de bordo OK

Não aplicado em XFK X82 e XDD incompreensível (mistura entre estados do veículo e estados GEE)

A rever com os estados do flex Evan

Saída ativa no limiar do regime do motor (com valor de histerese)
Apenas para ICE para evitar a destruição de um componente acionado pelo GMP (desativação do acoplamento)

Para qualquer veículo com bateria adicional
Válido para ICE e EV
Permite controlar um relé que põe em paralelo a bateria
É o oposto do power cut off

Ativação/desativação de um componente de transformação no limiar de velocidade do veículo (retração do degrau, elevação da suspensão pneumática, retração do teto de abrir CCAR, etc.)

Fundamental

Viveiro
vehicule speed sign
PRND em EV?
informações ADAS disponíveis
Enaine Restart também inibe Stop Auto
XDD Grip Control imolica deslizar o controlo da trajetória?
Criar páginas explicativas com diagramas para funções importantes (por exemplo, Battery Coupling, etc.) e transformações do tipo sorta traseira elevatória
Em flex Evan. avaliar a sustentabilidade das informações do conector e das informações AAM
Fazer

						VALUE X = [(physical value) - (offset)] / resolution Example: VehicleSpeed = 30 km/h = physical value VALUE = [(30-0) / 0.01 = 3000					
Vehicle	VariableIndex for configurable alsorithm	CAN EXT Frame XFKIX82	CAN EXT Frame XDD	Signal name	AAM	UNIT	offset (DEC)	resolution (DEC)	physical value	VALUE	CODIGO	SIGNIFICADO
XDD/XFKIX82/PH2	0	NoFrame	NoFrame	NoVAR								
XDD/XFKIX82/PH2	1	Vehicle4D_CANHS_R_01	Vehicle4D_CANHS_R_01	CAN_EXT_VehicleID	R							No interest to use vehicle VIN for Configurable Algorithm
XDD/XFKIX82/PH2	2	VDC_A9	VDC_A9	CAN_EXT_VehicleSpeed	R	km/h	0	0.01	30	3000		
XDD/XFKIX82/PH2	3	VDC_A8	VDC_A114	CAN_EXT_DistanceTotalizer	R	km	0	0.01				
XDD/XFKIX82/PH2	4	VDC_A8	VDC_A114	CAN_EXT_VDC_Deactivated	R						0 1	VDC available VDC disable
XDD/XFKIX82/PH2	5	VDC_A7	VDC_A115	CAN_EXT_StopLampFlashingRequest	R						0 1	Stop lamps flashing no requested Stop lamps flashing requested
XDD/XFKIX82/PH2	6	VDC_A4	VDC_A4	CAN_EXT_ABSinRegulation	R						0 1	no ABS regulation ABS in reculation
XDD/XFKIX82/PH2	7	VDC_A4	VDC_A4	CAN_EXT_ABSMalfunction	R						0 1	no ABS malfunction ABS malfunction
XDD/XFKIX82/PH2	8	VDC_A4	VDC_A4	CAN_EXT_ASRinRegulation	R						0 1	no ASR regulation ASR in reculation
XDD/XFKIX82/PH2	9	VDC_A4	VDC_A4	CAN_EXT_AYCinRegulation	R						0 1	no AYC regulation AYC in reculation
XDD/XFKIX82/PH2	10	VDC_A4	VDC_A4	CAN_EXT_AYCMalfunction	R						0 1	no AYC malfunction AYC malfunction
XDD/XFKIX82/PH2	11	VDC_A4	VDC_A4	CAN_EXT_ESCMalfunction	R						0 1	No VDC (ESC) malfunction VDC (ESC) malfunction
XDD/XFKIX82/PH2	12	VDC_A4	VDC_A4	CAN_EXT_MSRinRegulation	R						0 1	no MSR regulation MSR in reculation
XDD/XFKIX82/PH2	13	USM_A2	USM_A101	CAN_EXT_EEM_StaticPowerLimitationRequest	R						000 001 010 011 100 101 110 111	No Request Life on Board Low SOC power limitation Delivery Mode power limitation Battery Disconnection power limitation Producer failure power limitation Not used Not used Not used
XDD/XFKIX82/PH2	14	USM_A1	USM_A102	CAN_EXT_ACCompClutchStatus	R						0 1	Compressor clutch off Compressor clutch on
XDD/XFKIX82/PH2	15	USM_A1	USM_A101	CAN_EXT_NeutralContact	R						00 01 10 11	not used neutral contact not reached neutral contact reached unavailable
XDD/XFKIX82/PH2	16	USM_A1	USM_A101	CAN_EXT_RearGearEngaged	R						00 01 10 11	Not used Rear Gear not Engaged Rear Gear Engaged unavailable
XDD/XFKIX82/PH2	17	METER_A3	METER_A103	DisplayedOilLevel	R						0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111	warning 1 bargraph element displayed 2 bargraph element displayed 3 bargraph element displayed 4 bargraph element displayed 5 bargraph element displayed 6 bargraph element displayed 7 bargraph element displayed 8 bargraph element displayed Not used Not used Not used Not used Not used Not used Not used not available
XDD/XFKIX82/PH2	18	METER_A3	METER_A104	CAN_EXT_ExternalTemperature	R	°C	-50	0.25				
XDD/XFKIX82/PH2	19	METER_A3	METER_A103	CAN_EXT_FuelLevelDisplayed	R	l	0	1			0	petrol tank reserve
XDD/XFKIX82/PH2	20	METER_A3	METER_A104	CAN_EXT_NightPhaseIsteilSollMapPercent	R	%	0	0.4				
XDD/XFKIX82/PH2	21	METER_A3	METER_A104	CAN_EXT_ParkingBrakeStatus	R						00 01 10 11	Not used Automatic or manual Parking brake not applied Automatic or manual Parking brake applied unavailable
XDD/XFKIX82/PH2	22	HEVC_A2	HEVC_A105	CAN_EXT_HVBatteryEnergyLevel	R	%	0	1				
XDD/XFKIX82/PH2	23	ECM_A9	ECM_A112	CAN_EXT_EngineRPM	R	rpm	0	0.125	800	6400		
XDD/XFKIX82/PH2	24	ECM_A9	ECM_A112	CAN_EXT_MeanEffectiveTorque	R	N.m	-400	0.5				
XDD/XFKIX82/PH2	25	ECM_A8	ECM_A110	CAN_EXT_RawSensor	R	%	0	0.125				
XDD/XFKIX82/PH2	26	ECM_A6	ECM_A107	CAN_EXT_EngineControlFailureLevel1	R						0 1	no Engine Control Failure Level 1 Engine Control Failure Level 1
XDD/XFKIX82/PH2	27	ECM_A6	ECM_A107	CAN_EXT_EngineControlFailureLevel2	R						0 1	no Engine Control Failure Level 2 create by stoping the engine Engine Control Failure Level 2 create by stoping the engine
XDD/XFKIX82/PH2	28	ECM_A6	ECM_A107	CAN_EXT_ProducerLoad	R	%	0	1				
XDD/XFKIX82/PH2	29	ECM_A6	ECM_A107	CAN_EXT_VoltageRegulationStatus_V2	R						0000 0001 0010 0011 0100 0101 0110	Not initialized Starting sequence Nominal Mode Producer power limitation Producer communication fault is detected Producer communication fault is confirmed Producer fault is detected
XDD/XFKIX82/PH2	30	ECM_A4	ECM_A105	CAN_EXT_MILLamp	R						0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111	No test of readiness codes status and Readiness Codes completed and MIL lamp off request No test of readiness codes status and Readiness Codes completed and MIL Lamp on request No test of readiness codes status and Readiness Codes completed and MIL lamp flash request No test of readiness codes status and Readiness Codes completed and MIL lamp auto-test No test of readiness codes status and Readiness codes not completed and MIL lamp off request No test of readiness codes status and Readiness codes not completed and MIL Lamp on request No test of readiness codes status and Readiness codes not completed and MIL lamp flash request No test of readiness codes status and Readiness codes not completed and MIL lamp auto-test Test of readiness codes status and Readiness Codes completed and MIL lamp off request Test of readiness codes status and Readiness Codes completed and MIL Lamp on request Test of readiness codes status and Readiness Codes completed and MIL lamp flash request Test of readiness codes status and Readiness Codes completed and MIL lamp auto-test Test of readiness codes status and Readiness codes not completed and MIL lamp off request Test of readiness codes status and Readiness codes not completed and MIL Lamp on request Test of readiness codes status and Readiness codes not completed and MIL lamp flash request Test of readiness codes status and Readiness codes not completed and MIL lamp auto-test
XDD/XFKIX82/PH2	31	ECM_A4	ECM_A105	CAN_EXT_WarningWaterTemp	R						0 1	no water temperature warning water temperature warning
XDD/XFKIX82/PH2	32	ECM_A3	ECM_A116	CAN_EXT_EngIdleSpeedIncreaseStatus	R						0 1	no Idle Speed Increase activation Idle Speed Increase activation
XDD/XFKIX82/PH2	33	ECM_A14	ECM_A14	CAN_EXT_DieselFilterWaterDetection	R						0 1	no water detected in diesel water detected in diesel
XDD/XFKIX82/PH2	34	ECM_A14	ECM_A14	CAN_EXT_NominalFuelConsumption	R	mm3	0	80				
XDD/XFKIX82/PH2	35	ECM_A11	ECM_A114	CAN_EXT_CruiseControlStatus	R						000 001 010 011 100 101 110 111	Cruise Control (CC) and Speed Limit (SL) OFF SL active SL on and (awaiting or suspended) SL requested and in failure CC active CC ON and (awaiting or suspended) CC requested and in failure Vehicle not equipped with CC/SL
XDD/XFKIX82/PH2	36	ECM_A11	ECM_A108	CAN_EXT_EngineCoolantTemp	R	°C	-40	1				
XDD/XFKIX82/PH2	37	ECM_A11	ECM_A114	CAN_EXT_ShiftIndicator	R						00 01 10	No display request (no freeshift function or not equipped) UpShift display resquas DownShift display request
XDD/XFKIX82/PH2	38	BCM_A7	BCM_A113	CAN_EXT_BrakeInfoStatus	R						000 001 010 011 100 101 110 111	Not used Brake pedal not pressed Brake pedal pressed Not used Brake pedal confirmed pressed Not used Not used unavailable
XDD/XFKIX82/PH2	39	BCM_A7	BCM_A113	CAN_EXT_ClutchSwitchMaximumTravel	R						00	Not used Clutch pedal not pressed at engine on
XDD/XFKIX82/PH2	40	BCM_A7	BCM_A113	CAN_EXT_ClutchSwitchMinimumTravel	R						00 01 10 11	Not used Clutch pedal not pressed Clutch pedal pressed at minimum Unavailable
XDD/XFKIX82/PH2	41	BCM_A7	BCM_A110	CAN_EXT_DriverDoorState	R						00 01 10 11	Unavailable Value Driver door closed Driver door open Not Used
XDD/XFKIX82/PH2	42	BCM_A7	BCM_A113	CAN_EXT_DriverSafetyBeltBuckleState	R						00 01 10 11	SB Not monitored SB unfastened SB fastened Unavailable
XDD/XFKIX82/PH2	43	BCM_A7	BCM_A113	CAN_EXT_FlashingIndicatorStatus	R						000 001	left and right flashing indicators OFF Left flashing indicator ON and right flashing indicator OFF
XDD/XFKIX82/PH2	44	BCM_A7	BCM_A110	CAN_EXT_PassengerDoorState	R						00 01 10 11	Unavailable Value Passenger door closed Passenger door open Not used
XDD/XFKIX82/PH2	45	BCM_A7	BCM_A110	CAN_EXT_RearLeftDoorState	R						00 01 10 11	Unavailable Value Rear left door closed Rear left door open Not Used
XDD/XFKIX82/PH2	46	BCM_A7	BCM_A110	CAN_EXT_RearRightDoorState	R						00 01 10 11	Unavailable Value Rear Right door closed Rear Right door open Not Used
XDD/XFKIX82/PH2	47	BCM_A7	BCM_A113	CAN_EXT_TailGateStatus	R						00 01	Unavailable Value TailGate is closed
XDD/XFKIX82/PH2	48	BCM_A7	BCM_A113	CAN_EXT_TrailerPresence	R						0 1	no trailer detected trailer detected
XDD/XFKIX82/PH2	49	BCM_A7	BCM_A113	CAN_EXT_VehicleStates	R						0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111	Sleeping Not used CutoffPending AutoACC - BatTempoLevel Not used IgnitionLevel StartingInProgress PowertrainRunning AutoStart EngineSystemStop Not used Not used Not used Not used Not used Unavailable
XDD/XFKIX82/PH2	50	BCM_A7	BCM_A113	CAN_EXT_GADE_v2	R						000 001 010 011 100 101 110 111	Sleep or Crank fault, Disable DiagMudDTC AutoACC fault, Disable DiagMudDTC ALL fault, Disable DiagMudDTC ALL fault, Enable DiagMudDTC Not used Not used Not used Unavailable
XDD/XFKIX82/PH2	51	BCM_A4	BCM_A111	CAN_EXT_VehicleOutsideLockedState	R						0 1	Vehicle not locked from the outside by the customer Vehicle Locked from the outside by the customer
XDD/XFKIX82/PH2	52	BCM_A4	BCM_A113	CAN_EXT_DeliveryModeInformation_v2	R						00 01 10 11	customer mode delivery mode level 1 delivery mode level 2 Not used
XDD/XFKIX82/PH2	53	BCM_A3	BCM_A111	CAN_EXT_BrakeLampStatus	R						0 1	Brake Lamp Off Brake Lamp On
XDD/XFKIX82/PH2	54	BCM_A3	BCM_A111	CAN_EXT_FrontFogLightsDisplay	R						0 1	front fog lights display not requested front fog lights display requested
XDD/XFKIX82/PH2	55	BCM_A3	BCM_A110	CAN_EXT_KeyVehicle	R						00 01 10 11	Key vehicle Unavailable Not used Key vehicle
XDD/XFKIX82/PH2	56	BCM_A10	BCM_A109	CAN_EXT_CockpitLocked_State	R						0 1	Not Locked Locked
XDD/XFKIX82/PH2	57	BCM_A10	BCM_A109	CAN_EXT_LoadingAreaLocked_State	R						0 1	Loading area Not Locked Loading area Locked
XDD/XFKIX82/PH2	58	BCM_A1	BCM_A108	CAN_EXT_HighBeamDisplay	R						0 1	High beam display not requested High beam display requested
XDD/XFKIX82/PH2	59	BCM_A1	BCM_A108	CAN_EXT_LowBeamDisplay	R						0 1	low beam display not requested low beam display requested
XDD/XFKIX82/PH2	60	BCM_A1	BCM_A109	CAN_EXT_PositionLightsDisplay	R						0 1	position lights display not requested position lights display requested

Confidencial C

XDD/XFK/X82PH2	61	ATCU_A5	ATCU_A110	CAN_EXT_TransmRangeEngaged_Current	R						0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111	declutched at rest 1st range 2nd range 3rd range 4th range 5th range 6th range 7th range 8th range reverse neutral or parking CVT in continuous mode 9th range 10th range Not used AT in limphome
XDD/XFK/X82PH2	62	ATCU_A4	ATCU_A110	CAN_EXT_AT_Level2FailureDisplayRequest	R						00 01 10 11	Unavailable No warning AT major failure warning (Level 2) Protection mode activated
XDD/XFK/X82PH2	63	ACU_A1	ACU_A101	CAN_EXT_AIRBAGMalfunction	R						0 1	no AIRBAG system malfunction AIRBAG sysem malfunction
XDD/XFK/X82PH2	64	ACU_A1	ACU_A101	CAN_EXT_PassengerAIRBAG_Inhibition/2	R						0 1	Passenger AIRBAG not inhibited Passenger AIRBAG inhibited
XDD/XFK/X82PH2	65	AAM_R2	AAM_R102	I_ANALOG_1_SW	T	ADC	0	1				1 corresponde a 0,0043384511 V
XDD/XFK/X82PH2	66	AAM_R2	AAM_R102	I_ANALOG_2_SW	T	ADC	0	1				1 corresponde a 0,0043384511 V
XDD/XFK/X82PH2	67	AAM_R2	AAM_R102	I_ANALOG_3_SW	T	ADC	0	1				1 corresponde a 0,0043384511 V
XDD/XFK/X82PH2	68	AAM_R2	AAM_R102	I_LOG_1_SW (not CAN I_LOG_1_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	69	AAM_R2	AAM_R102	I_LOG_2_SW (not CAN I_LOG_2_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	70	AAM_R2	AAM_R102	I_LOG_3_SW (not CAN I_LOG_3_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	71	AAM_R2	AAM_R102	I_LOG_4_SW (not CAN I_LOG_4_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	72	AAM_R2	AAM_R102	I_LOG_5_SW (not CAN I_LOG_5_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	73	AAM_R2	AAM_R102	I_LOG_6_SW (not CAN I_LOG_6_SW)	internal						0 1	OFF ON
XDD/XFK/X82PH2	74	AAM_R2	AAM_R102	I_LOG_7_SW (not CAN I_LOG_7_SW)	internal						0 1	OFF ON
XDD/XFK	75	HEVC_R15	HEVC_A133	CAN_EXT_InstantConsumption2EVdisplay_v3	R	kW	-500	1				
XDD/XFK	76	HEVC_R15	HEVC_R104	CAN_EXT_AverageConsumption2EV_LastTrip	R		0	0.1				kWh/100km? TBC
XDD/XFK	77	HEVC_A4	HEVC_A108	CAN_EXT_HVchargerStatus	R						00 01 10 11	No HV charge HV battery charge HV consumers charge Not used
XDD/XFK	78	HEVC_A4	HEVC_A113	CAN_EXT_ChargingPlugStatus	R						0 1	Not connected Connected
XDD	79		BCM_A8	CAN_EXT_AbsoluteTimeSince1ntrignition	R	mn	0	1				
XDD/XFK/X82PH2	80	USM_A2	USM_A101	CAN_EXT_BatteryVoltage	R	V	6	0.05	11.5	92		
XDD/XFK/X82PH2	81	METER_A2	METER_A103	CAN_EXT_RawFuelGaugeResistance	R	Ohm	0	1				
XDD/XFK/X82PH2	82	USM_A2	USM_A103	CAN_EXT_SOCBattery14V	R	%	69	0.5	80	22		

Confidencial C

O_LOGICAL_X_SWITCH_OFF_CONDITION	**Output Logical X ATIVO QUANDO estados a azul**
0 No switch off	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart (apenas ICE) 1001 EngineSystemStop (apenas ICE) 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable
1 Output switched off while engine stopped	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart (apenas ICE) 1001 EngineSystemStop (apenas ICE) 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable
2 Output switched off while engine starting	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart (apenas ICE) 1001 EngineSystemStop (apenas ICE) 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable

3 Output switched off while engine stopped & starting	0000 Sleeping 0001 Not used 0010 CutoffPending 0011 AutoACC - BatTempoLevel 0100 Not used 0101 IgnitionLevel 0110 StartingInProgress (durante o arranque do motor) 0111 PowertrainRunning 1000 AutoStart (apenas ICE) 1001 EngineSystemStop (apenas ICE) 1010 Not used 1011 Not used 1100 Not used 1101 Not used 1110 Not used 1111 Unavailable

SW 311	
O_LOG_X_power_limitation	**Output Logical X ATIVO QUANDO estados a azul de EEM_StaticPowerLimitationRequest**
0 Power limitation on Output logical **X** pin. Power limitation is following vehicule power limitation request	0 No Request 1 Life on Board Low SOC power limitation 2 Delivery Mode power limitation 3 Battery Disconnection power limitation 4 Producer failure power limitation
1 **NO** power limitation on Output logical **X** pin	0 No Request 1 Life on Board Low SOC power limitation 2 Delivery Mode power limitation 3 Battery Disconnection power limitation 4 Producer failure power limitation

SW 400	
O_LOG_X_power_limitation	**Output Logical X ATIVO QUANDO estados a azul de EEM_StaticPowerLimitationRequest**
0 Power limitation on Output logical **X** pin. Power limitation is following vehicule power limitation request	0 No Request 1 Life on Board Low SOC power limitation 2 Delivery Mode power limitation 3 Battery Disconnection power limitation 4 Producer failure power limitation
1 **NO** power limitation on Output logical **X** pin	0 No Request 1 Life on Board Low SOC power limitation 2 Delivery Mode power limitation 3 Battery Disconnection power limitation 4 Producer failure power limitation

O_LOG_X (X: 1 to 10)

NOME DO ALGORITMO	Apenas ICE	VALOR	Output Logical X ATIVO QUANDO
NoConfiguration		0	Sem configuração
BrakeInfoStatus		1	Pressão no pedal do travão
ACCompClutchStatus		2	Compressor do ar condicionado ligado
ClutchSwitch	X	3	Pedal da embraiagem pressionado ao mínimo ou Pedal da embraiagem pressionado ao máximo
DoorSwitches		4	Porta do Condutor aberta ou Porta do Passageiro aberta ou Porta Traseira Direita aberta ou Porta Traseira Esquerda aberta ou Porta da Bagageira aberta
ElectricalIgnitionState		5	Estados: Ignition ou StartingInProgress ou PowertrainRunning ou AutoStart ou EngineSystemStop
VehicleOutsideLockedState		6	Veículo trancado pelo condutor a partir do exterior
FlashingIndicator_LorR		7	Luz de Direção Direita ou Luz de Direção Esquerda acesa
FlashingIndicator_Warning		8	Luz de Direção Direita e Luz de Direção Esquerda acesas
AutoStart	X	9	Rearranque do motor na saída da fase StopAuto
AIRBAGMalfunction		10	Falha do airbag
RearGearEngaged		11	Marcha-atrás engatada
NeutralContact		12	Posição neutra na alavanca da caixa de velocidades
AT_Level2FailureDisplayRequest		13	Falha da caixa de velocidades automática ou modo de proteção ativado
PositionLightsDisplay		14	Mínimos acesos
HighBeamDisplay		15	Máximos acesos
LowBeamDisplay		16	Médios acesos
FrontFogLightsDisplay		17	Luzes de nevoeiro dianteiras acesas
CruiseControlStatus		18	Limitador ou regulador de velocidade ativo ou em espera
DieselFilterWaterDetection	X	19	Deteção de água no diesel
EngineControlFailureLevel1	X	20	Falha de nível 1 Controlo do motor
EngineControlFailureLevel2	X	21	Falha de nível 2 Controlo do motor
WarningWaterTemp		22	Alerta de temperatura da água
MILLamp		23	Pedido de acendimento MIL lâmpada
ABSinRegulation		24	ABS em regulação
ABSMalfunction		25	Falha do ABS
ASRinRegulation		26	ASR (antipatinagem) em regulação
AYCinRegulation		27	AYC (correção da trajetória) em regulação
MSRinRegulation		28	MSR (correção do binário do motor) em regulação
AYCMalfunction		29	Falha do AYC (correção da trajetória)
TransmRangeEngaged_Current		30	Caixa automática com velocidade (avanço 1 a 10 ou marcha-atrás)
DisplayedOilLevel	X	31	Visualização do nível de combustível (1 a 8 barras)
CockpitLocked_State		32	Veículo trancado
LoadingAreaLocked_State		33	Zona de carga trancada
PowerTrainRunning		34	Motor ligado (não na fase de arranque)
StartingInProgress		35	Motor sob motor de arranque (após arranque do condutor ou saída da fase StopAuto)
IgnitionLevel		36	Veículo no estado IgnitionLevel
AutoACC		37	Veículo no estado Auto ACC
TrailerPresence		38	Atrelado detetado
DriverSafetyBeltFastened		39	Cinto do condutor apertado
ESCMalfunction		40	Falha do VDC (ESC)
StaticPowerLimitationRequest		42	Pedido de limitação de potência da Gestão de Energia
BrakeLampStatus		43	Lâmpada das luzes de stop acesa
DigitalInputMonitoring1		44	Entrada Input logical 1 ativa
DigitalInputMonitoring2		45	Entrada Input logical 2 ativa
DigitalInputMonitoring3		46	Entrada Input logical 3 ativa
DigitalInputMonitoring4		47	Entrada Input logical 4 ativa

Confidencial C

DigitalInputMonitoring5		48	Entrada Input logical 5 ativa
EngIdleSpeedIncreaseStatus	X	49	Função Idle Speed Increase ativada
StopLampFlashingRequest		50	Lâmpada das luzes de stop intermitente
VDC_Deactivated		51	VDC (ESP) desativado
VoltageRegulationStatus_V2		52	Produtor de energia em modo nominal
EngineStopped		53	Motor desligado, mas saída desligada de acordo com o pedido de Power Limitation do veículo
EngineStarting		54	Motor sob motor de arranque (após arranque do condutor ou saída da fase StopAuto), mas saída desligada de acordo com o pedido de Power Limitation do veículo
EngineStopped Or Starting		55	Motor desligado ou sob motor de arranque, mas saída desligada de acordo com o pedido de Power Limitation do veículo
FridgeDrive	X	56	Função Fridge Drive ativada
BatteryCoupling		57	Função Battery Coupling ativada
Footstep activated		58	Função Foot Step ativada
Configurable algorithm 1 activated		59	Função Configurable algorithm 1 ativada
Configurable algorithm 2 activated		66	Função Configurable algorithm 2 ativada
Configurable algorithm 3 activated		67	Função Configurable algorithm 3 ativada
INVALID VALUE		255	Saída Output logical X (X: 1 a 10) não utilizada, nenhuma atribuição

Confidencial C

PARÂMETRO	SW MÍN.	FUNCIONALIDADE	Apenas ICE	NÚMERO DA FUNÇÃO	FUNÇÃO
VH_TYPE	SW 311	Configuração do tipo de veículo (X82 P2, XFK, XDD)		1	Gateway
TRAILER_CF	SW 311	Ativação (sim/não) da função Trailer Lighting		17	Trailer Lighting
RALAC_CF	SW 311	Ativação (sim/não) da função Idle Speed Increase	X	8	Idle Speed Increase
RALAC_SW_TYPE_CF	SW 311	Configuração do tipo de botão (biestável/impulsional) da entrada Idle Speed Increase (Input logical 1)	X	8	Idle Speed Increase
FRIDGE_DRIVE_CF	SW 311	Ativação (sim/não) da função Fridge Drive	X	15	Fridge Drive
FRIDGE_RPM_MIN_CF	SW 311	Configuração do valor do limiar FRIDGE_RPM_MIN da função Fridge Drive	X	15	Fridge Drive
FRIDGE_RPM_MAX_CF	SW 311	Configuração do valor do limiar FRIDGE_RPM_MAX da função Fridge Drive	X	15	Fridge Drive
BAT_STABILIZED_CF	SW 311	Ativação (sim/não) da função Stabilized Battery		10	Stabilized Battery
BAT_STABILIZED_MIN_VOLTAGE_CF	SW 311	Configuração do valor de BAT_STABILIZED_MIN_VOLTAGE da função Stabilized Battery		10	Stabilized Battery
BAT_STABILIZED_VOLTAGE_RATE_CF	SW 311	Configuração do valor de BAT_STABILIZED_VOLTAGE_RATE da função Stabilized Battery		10	Stabilized Battery
BAT_STABILIZED_SW_TYPE_CF	SW 311	Configuração do tipo de botão (biestável/impulsional) da entrada Stabilized Battery (Input logical 4)		10	Stabilized Battery
BATT_COUPLING_CF	SW 311	Ativação (sim/não) da função Battery Coupling		12	Battery Coupling
SEL_PWR_LIM_CUT_OFF	SW 311	Ativação (sim/não) da função Output power cut off		13	Output power cut off
O_PWM_**X** **(X: 1 to 7)** **7 parameters**	SW 311	Seleção do parâmetro CAN_EXT de saída em Output PWM X (X: 1 a 7)		6	Output PWM
O_LOG_**X**_power_limitation **(X: 1 to 10)** **10 parameters**	SW 311	Configuração da prioridade (sim/não) da saída Output logical X (X: 1 a 10)		5	Output logical power limitation
O_LOGICAL_**X**_SWITCH_OFF_CONDITION **(X: 1 to 10)** **10 parameters**	SW 311	Configuração das condições de corte (motor parado, motor sob motor de arranque) da saída Output logical X (X: 1 a 10)		5	Output logical power limitation
O_LOG_**X** **(X: 1 to 10)** **10 parameters**	SW 311	Configuração do algoritmo utilizado na saída Output logical X		4	Output logical
FRIDGE_RPM_HYST_CF	SW400	Configuração do valor de FRIDGE_RPM_HYST da função Fridge Drive	X	15	Fridge Drive
ENG_RESTART_CF	SW400	Ativação (sim/não) da função Engine Restart	X	9	Engine Restart
MUTE_CF	SW400	Ativação (sim/não) da função Radio Mute		11	Radio Mute
MUTE_SW_TYPE_CF	SW400	Configuração do tipo de botão (biestável/impulsional) da entrada Radio Mute (Input logical 3)		11	Radio Mute
DOOR_MUTE_DRIVER_CF	SW400	Configuração de Radio Mute na abertura da porta do condutor		11	Radio Mute
DOOR_MUTE_PASSENGER_CF	SW400	Configuração de Radio Mute na abertura da porta do passageiro		11	Radio Mute
DOOR_MUTE_REAR_RIGHT_CF	SW400	Configuração de Radio Mute na abertura da porta traseira direita		11	Radio Mute
DOOR_MUTE_REAR_LEFT_CF	SW400	Configuração de Radio Mute na abertura da porta traseira esquerda		11	Radio Mute
DOOR_MUTE_TAILGATE_CF	SW400	Configuração de Radio Mute na abertura da porta da bagageira		11	Radio Mute
PRODUCER_LOAD_LOW_CF	SW400	Configuração do valor de PRODUCER_LOAD_LOW da função Output power cut off		13	Output power cut off
PRODUCER_LOAD_HIGH_CF	SW400	Configuração do valor de PRODUCER_LOAD_HIGH da função Output power cut off		13	Output power cut off
PRODUCER_LOAD_HIGH_DELAY_CF	SW400	Configuração do valor de PRODUCER_LOAD_HIGH_DELAY da função Output power cut off		13	Output power cut off
O_POWER_CF	SW400	Ativação (sim/não) da função Output power		19	Output power
FOOTSTEP_VEH_SPEED_MIN_CF	SW400	Configuração do valor de FOOTSTEP_VEH_SPEED_MIN da função Foot Step		20	Footstep
FOOTSTEP_VEH_SPEED_HYST_CF	SW400	Configuração do valor de FOOTSTEP_VEH_SPEED_HYST da função Foot Step		20	Footstep
CONFIGURABLE_ALGORITHM_CF.VAR1	SW400	Configuração do valor de VAR1 da função Configurable Algorithm		21	Configurable Algorithm

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CONFIGURABLE_ALGORITHM_CF.OP1	SW400	Configuração do valor de OP1 da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.VALUE1	SW400	Configuração do valor de VALUE1 da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.COMB OP	SW400	Configuração do valor de COMB OP da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.VAR2	SW400	Configuração do valor de VAR2 da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.OP2	SW400	Configuração do valor de OP2 da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.VALUE2	SW400	Configuração do valor de VALUE2 da função Configurable Algorithm		21	Configurable Algorithm
CONFIGURABLE_ALGORITHM_CF.SAFE_VAL	SW400	Configuração do valor de SAFE VAL da função Configurable Algorithm		21	Configurable Algorithm
I_ANALOG_**X**_CF **(X: 1 to 3), 3 parameters**	SW400	Configuração do envio de Input analog X (X: 1 a 3) em CAN_EXT e/ou CAN_ADAPT_1		2	Input analog
I_LOG_**X**_CF **(X: 1 to 5), 5 parameters. X=6, X=7: doesn't exist, HW predisposal only**	SW400	Configuração do envio de Input logical X (X: 1 a 5) em CAN_EXT e/ou CAN_ADAPT_1		3	Input logical
CONFIGURABLE_ALGORITHM_2_CF.VAR1	SW610	Configuração do valor de VAR1 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.OP1	SW610	Configuração do valor de OP1 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.VALUE1	SW610	Configuração do valor de VALUE1 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.COMB OP	SW610	Configuração do valor de COMB OP da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.VAR2	SW610	Configuração do valor de VAR2 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.OP2	SW610	Configuração do valor de OP2 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.VALUE2	SW610	Configuração do valor de VALUE2 da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_2_CF.SAFE_VAL	SW610	Configuração do valor de SAFE VAL da função Configurable Algorithm 2		22	Configurable Algorithm 2
CONFIGURABLE_ALGORITHM_3_CF.VAR1	SW610	Configuração do valor de VAR1 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.OP1	SW610	Configuração do valor de OP1 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.VALUE1	SW610	Configuração do valor de VALUE1 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.COMB OP	SW610	Configuração do valor de COMB OP da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.VAR2	SW610	Configuração do valor de VAR2 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.OP2	SW610	Configuração do valor de OP2 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.VALUE2	SW610	Configuração do valor de VALUE2 da função Configurable Algorithm 3		23	Configurable Algorithm 3
CONFIGURABLE_ALGORITHM_3_CF.SAFE_VAL	SW610	Configuração do valor de SAFE VAL da função Configurable Algorithm 3		23	Configurable Algorithm 3

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