CableLabel	Category	Group	Item	Label	Field	Device WAGO ER		eviceType Protocol	Address AddressBackup Port	Rate Mode Inde	DataType Enum	Module Pin Count	Multiplier 0	ffset Type	SensorType
FT-APER FT-APER	FT NavVision Alarm Panels Alarm Panels	Fuses Alarm Panel Engine Room Alarm Panel Engine Room	Fuse Engine Room Alarms I Alarm SUZZER Alarm FLASH LIGHT	Fuse Engine Room Alarms 1 Alarm Alarm	AlarmNetworkCable40Fid AlarmProAudioleCutputEngineRoomACrist AlarmProVisualOutputEngineRoomACrist	WAGO ER WAGO ER WAGO ER	er w	AGG Waqo AGG Waqo AGO Waqo	192,168,1,93	1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0	1 1 1 2 1 2 2 2 2 2	0 1 0 1	0 750-610 0 750-504 0 750-504	Standard Standard Standard
FT APER FT APER	Alarm Panels Alarm Panels	Alarm Panel Engine Room Alarm Panel Engine Room	Activate And Lamp Test SWITCH Dim SWITCH	Station Activate Dim	AlarmProActivateEngineRosmACms AlarmProDimSwitchEngineRosmACmd	WAGO ER WAGO ER	ER W	4GO Wage 4GO Wage		1 10 Read 1 10 Read	0 Unsigned 0 Unsigned 0		0 1	0:750-≠06 0:750-408	Request
FT-APER FT-ER39	Alarm Panels FT NavVision	Alarm Panel Engine Room Networking	Silence Alarm SWITCH Network Switch I Engine Room Alarm	Silence Alarm Network Switch 1 Engine Room Alarm	AlarmPrsAcknowledgeEngineRoomACind AlarmNetworkCable32Fld	WAGO ER WAGO ER	ER W	4GO Wago 4GO Wago		1 10 Read 1 10 Read	G-Unsigned 0 Unsigned	3	0 <u>1</u> 0 1	0:750-408 0:750-408	Request Standard
T ER39 FT APER	FT NavVision Alarm Panels	Networking Alarm Panel Engine Room	Network Switch 2 Engine Room Alarm Alarm LED	Network Switch 2 Engine Room Alarm Alarm	AlarmNetworkCable33Fld AlarmProInAlarmEnoineRoomACmd	WAGO ER WAGO ER	ER W	4GO Wago 4GO Wago 4GO Wago		1 16 Read 1 10 Read 1 10 Read	8 Unsigned 0		0 1	0:750-406 0:750-553 0:750-553	Standard Standard
FT-APER FT-APER	Alarm Panels Alarm Panels ET Navvision	Alarm Panel Engine Room Alarm Panel Engine Room Evres	Station Active LED Fuse Engine Room Alarms 2	Station Active Station Active Fuse Engine Room Alarms 2	AlarmProDimLEDEngineRoomACmd AlarmProActiveEngineRoomACmd AlarmNotecrkCableA1Fis	WAGO ER WAGO ER WAGO ER	ER W	AGC Wago AGC Wago AGO Wago		1 10 Read 1 10 Read 1 10 Read	0 Unsigned C 0 Unsigned C 0 Unsigned C	3 3	D 1	0:750-553 0:750-610	Standard Standard Standard
FT-ER12 FT-ER13	Bilgs Bilge	Bilge Alarms Bilge Alarms	Bilge Alarm Engine Room PS Bilge Alarm Engine Room SB	Blige Alarm Engine Room P5 Blige Alarm Engine Room SB	AlarmBilgeEngineRoom1Fld AlarmBilgeEngineRoom2Fld	WAGO ER WAGO ER	ER W/	4GO Wass 4GO Wass		1 10 Read 1 10 Read	0 Unsigned 0	1 2	0 1	0 750-402 0 750-40⊋	Standard Standard
T-ERII	Bilge Compressors	Dige Alarms Air Compressor	Bilge Furne Mein Ruming Air Compressor Low Air Pressure	Blide Pump Main Running Air Compressor Low Air	BitgePurisp1Crid CompressorPressureFid	WAGO ER WAGO ER	ER W	AGO Wago AGO Wago		1 1G Read 1 1G Read	8 Unsigned 6 0 Unsigned D	7 3 1 8 I	0 1	0 750-402 0 750-402	Standard Low
FT-ER25 FT-ER14 FT-ER16	Compressors Fire Hydraulic	Air Compressor Fire Alarm System Power Pack	Air Compressor Rusning Fire Pump Rusning Alarm Power Pack On Level	Air Compressor Running fire Pump Running Alarm Fower Pack Oil Level	CompressorCmd AlarmFine1Fld ByGrackCPowerPackACCit.evelFld	WAGO ER WAGO ER WAGO ER	ER W/	SCO Wago AGO Wago AGO ⊮ago		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1	0 750-402 0 750-402 0 758-402	Standard Standard Low
T-ER15 T-ER17	Hydraulic Hydraulic Hydraulic	Power Pack Power Pack	Power Pack Oil Testmerature Power Pack Runsing	Power Pack Oil Temperature Power Pack Sunning	HydraulicPowerPackACOirTemperatureFid HydraulicPowerPackACRunningFid	WAGO ER WAGO ER	ER W	AGO Wago		1 10 Read 1 10 Read	O Unsigned C C Unsigned		0	0 750-402 0 753-402	High Standard
T-ER34 T-ER35 T-ER42	Tanks Tanks	Fuel Tanks Fuel Tanks	Day Tank Level PS (7) Day Tank Level SB (8)	Day Tank Level PS (7) Day Tank Level SB (8)	fuelDwyfankLevel1Fld FuelDayfankLevel2Fld	WAGO ER WAGO ER	ER W	AGO Waqo AGO Waqo		1 10 Read 1 16 Read	0 Unsigned 0 0 Unsigned 0	10 1 10 2	0 1	0 750-402 6 750-462	Tan Low Too Low
71-ER43	Tanks Tanks	Fuel Tanks Fuel Tanks	Firel Tank SE Level PS (1) Firel Tank SE Level SB (2)	Fuel Tank SE Level PS (1) Fuel Tank SE Level SB (2)	FuelTenkLevel7Fid FuelTarkLevel8Fid	WAGO ER WAGO ER	ER W/	AGO Wago AGO Wago		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned	10 3 10 4	0 1	0.750-401 6.750-402	Too High Too High
7-6836 7-6837 7-6838	Tanks Yanks Tanks	Off Tanks Oil Tanks Off Tanks	Lube Oil Tank Level Studge Tank Level Waste Oil Tank Level	Lube Oil Tank Level Studge Yank Level Waste Oil Tank Level	OifTankLevel1Fid StudgeTankLevel1Fid OifTankLevel2Fid	WAGO ER WAGO ER WAGO ER	ER WA	AGO Waqo AGO Waqo AGO Waqo		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0	11 1	0 1	0:750-402 0:750-402 0:750-402	Low High High
T-ER28	Tanks	Fuel Tanks	Day Tank Level PS (7)	Day Tank Level PS (7)	FuelDayTankLevel1Fid	WAGO ER WAGO ER	ER W/	kGC Wago 4GO Wago		l 10 Read I 10 Read	O Unsigned 0 0 Unsigned 0	12 1	0 1	0 750-402 0 750-454	Standard
T-ER29 T-ER30	Tanks Tanks	Fuel Tanks Fuel Tanks	Day Tank Level 58 (8) Fuel Tank SE Level PS (1)	Day Tank Lavel S6 (8) Fuel Tank SF Level PS (1)	FuelDayTankLevel2Fld FuelTankLevel7Fld	WAGO ER WAGO ER	ER W	AGO Waqo AGO Waqo		1 10 Read 10 Read	0 Unsigned 0 0 Unsigned 0	1) 2 14 1	0 1 0 1	0 790-454 0 750-454	Standard Standard
T-ER31 T-ER52	Tanks Propulsion	Fuel Tanks Port Engine Starboard Engine	Fuel Tank SE Level 5B (2) Englise Port Shaft Temperature	Fuel Tank SE Level SB (2) PS Eng Shaft	FuelTankLevelSFld EngineSnaftTemperature1Fld	WAGO ER WAGO ER WAGO ER	ER W	AGO Wago AGO Wago AGO Wago		1 10 Read 1 13 Read 1 10 Read	0 Unsigned 6 0 Unsigned 0 0 Unsigned 0	14 2	1	0 750-454 0 750-461 0 750-461	Standard Standard Standard
F-ER52 F-ER50 F-ER50	Propulsion Electrical Systems Electrical Systems	Susbar AC A Susbar AC A Susbar AC A	Engine Starboard Shaft Temperature AC Busbar A Cos Phi Average AC Busbar A Cos Phi 1,1	SB Eng Shaft AC Sus A Cas Phi Avg AC Bus A Cos Phi LI	EngineShaftTerriperature2Fld BusbarACAvgCosPhiAFld BusbarACL1CosPhiAFld	SERIAL ER 1 SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	O Unsigned 0 0 Unsigned 0		0 1	0 750-461	Standard Standard
T-ERSO T-ERSO	Electrical Systems Electrical Systems	Busber AC A Busber AC A	AC Busbar A Cos Phi S2 AC Busbar A Cos Phi L3	AC Bus A Cos Pts L2 (AC Bus A Cos Pts L3	BusbarACL2CosPhAFid BusbarACL3CosPhiAFid	SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1	0	Standard Standard
ERSO ERSO	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Current Average AC Busbar A Current Average	AC Bus A Avq AC Bus A Avq	BusbarACCurrentARId BusbarACCurrentARId	SERIAL ER 1 SERIAL ER 1	ER SE ER SE	RIÁL EM4000 RIÁL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	0	Standard Standard
-ER50 -ER50	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Current 13 AC Busbar A Current 11	AC Bus A LI AC Bus A LI	BusbarACPhasel 2 CurrentAFid BusbarACPhasel 1 CurrentAFid	SERIAL ER 1 SERIAL ER 1	ER SE	RIAL EM≄000 RIAL EM4000 ≲IAL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1	6	Standard Standard
F-ERSO F-ERSO T-ERSO	Electrical Systems Electrical Systems Electrical Systems	Busbar AC A Busbar AC A Busbar AC A	AC Busbar A Current L2 AC Busbar A Current L2 AC Busbar A Current L3	AC 8us A L2 AC 8us A L2 AC 8us A L3	BusbarACPhaseLZCurrentAFId BusbarACPhaseLZCurrentAFId BusbarACPhaseLZCurrentAFId	SERIAL ER 1 SERIAL ER 1 SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000 RIAL EM4000		i IO Read I IO Read I IO Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		či i	0	Standard Standard Standard
-ERSO -ERSO	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Current L3 AC Busbar A Frequency	AC Bus A L3 AC Bus A	BusbarACPhaseL3CurrentAFld BusbarACFrequencyAFld	SERIAL ER 1 SERIAL ER 1	gr se er se	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1	0 0	Standard Standard
-ER50 -ER50	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busber A Power Apparent L1 AC Busbar A Power Apparent L2	AC Bus A App L1 AC Bus A App L2	BusbarACL1ApparentPowerAFId BusbarACL2ApparentPowerAFId	SERJAL ER 1 SERJAL ER 1	ER SE ER SE	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	G Unsigned 0 0 Unsigned 0		0 1	g g	Standard Standard
ER50 ER50 -ER50	Electrical Systems Electrical Systems Electrical Systems	Bosbar AC A Bosbar AC A Busbar AC A	AC Busbar A Power Apparent L3 AC Busbar A Power Apparent Total AC Busbar A Power L1	AC Bus A App 13 AC Bus A App Total AC Bus A Li	BusbarACL3ApparentFowerAFId BusbarACApparentPowerAFId BusbarACL1PowerAFId	SERIAL ER 1 SERIAL ER 1 SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1 0 1	0 0	Standard Standard Standard
-ER50 -ER50	Electrical Systems Electrical Systems Electrical Systems	Busbar AC A Busbar AC A Busbar AC A	AC Busbar A Power L2 AC Busbar A Power L3 AC Busbar A Power L3	AC Bus A £2 AC Bus A £3	BusbarACL2PowerAFld BusbarACL3PowerAFld	SERIAL ER 1 SERIAL ER 1 SERIAL ER 1	er se	RIAL EM4000 RIAL EM4000		1: 10 Read 1: 10 Read	0 Unsignes 0 0 Unsigned 0 0 Unsigned 0		ā i	či	Standard Standard Standard
-ER50 -ER50	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Power Reactive L1 AC Busbar A Power Reactive L2	AC Bus A React L1 AC Bus A React L2	Busbar ACL : Reactive Power AFId Busbar ACL : Reactive Power AFId	SERIAL ER 1 SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	0) 0;	Standard Standard
ERSO ERSO ERSO	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Power Reactive L3 AC Busbar A Power Total	AC Bus A React L3 AC Bus A Total	BusbarACI, 3ReactivePowerAFld BusbarACPowerAFld BusbarACVoltageAFld	SERIAL ER 1 SERIAL ER 1	er se	RIAL EM4000 RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		U: 3 0 1	0	Standard Standard
-ER50 -ER50 -ER50	Electrical Systems Electrical Systems Electrical Systems	Busbar AC A Busbar AC A Busbar AC A	AC Bushar A Voltage Average AC Bushar A Voltage L1-L2 AC Bushar A Voltage L1-N	AC Bus A Ava AC Bus A EE EZ AC Bus A LI	BusbarACLIL2VoRageAFld BusbarACPhaseL1VoRageAFld	SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0			0	Standard Standard Standard
ER50 ER50	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Voltage L2-L3 AC Busbar A Voltage L2-N	AC Bus A L2-L3 AC Bus A L2	BusbarACL 2: 3VoltageAFig BusbarACPhasel 2VoltageAFig	SERIAL ER I SERIAL ER I	ER SE ER SE	RIAL EM4000 RIAL EM4000		1 10 Read	0 Unsigned 0		ő i	ă.	Standard Standard
R50 R50	Electrical Systems Electrical Systems	Busbar AC A Busbar AC A	AC Busbar A Voltage L3-L1 AC Busbar A Voltage L3-N	AC Bus A L3-L1 AC Bus A L3	BusbarACL3L1VoltageAFld BusbarACPhaseL3VoltageAFld	SERIAL ER 1	ER SE	RIAL EM4000 RIAL EM4000		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	<u> </u>	Standard Standard
ER19 ER19 ER19	Generators Generators Generators	Generator Port Generator Port Generator Port	Generator Port Coolant Temperature Generator Port Fuel Rate Generator Port Hours	PS Gen Coclant PS Gen Fuel PS Gen Hours	GeneratorCoolantTemperature1Fid GeneratorFuelRate1Fid GeneratorHours1Fid	CAN 3 (CAN 3 (CAN 3 (ER CA ER CA ER CA	92925 N 92925 N 92925 N		Lloyd's Regis	ter EME A		0 1	0	Standard Standard Standard
ER19 ER19	Generators Generators	Generator Port	Generator Port Lead Generator Port Oil Pressure	PS Gen Load PS Gen Oil	Generator Load i Fid Generator Oil Pressure I Fid	CAN 3	FR CA	N :31939		A member of the	Lloyd's Register group		0 î 0 î	0	Standard Standard
ER19 ER19	Generators Generators	Generator Port Generator Port	Generator Port RPM Generator Port Starter Sattery Voltage	PS Gen PS Gen Start Batt	GeneratorRpm1Fid GeneratorVoltage1Fid	CAN 3 E	ER CA ER CA ER CA ER CA	N 21939 N 31939		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	Ö D	Standard Standard
ER19 ER20	Generators Generators	Generator Port Generator Starboard	Generator Port Throttle Position Generator Starboard Coolant Temperature	PS Gen Throttle SB Gen Coglant	GeseratorThrottle1Fid GeneratorCoclantTemperature2Fid	CAN 3 CAN 4	ER CA	N 31939		Design Suppo	ort Rotterdam Of	fice	0 1	0	Standard Standard
ER20 ER20 ER20	Generators Generators Generators	Generator Starbserd Generator Starbserd Generator Starbserd	Generator Starboard Fuel Rate Generator Starboard Hours Generator Starboard Load	SB Gen Fuel SB Gen Hours SB Gen Load	GeneratorFiselRate2Firit GeneratorHours2Fld GeneratorLoad2Fid	CAN 4 CAN 4 CAN 4	ER CA ER CA	N 31939		1 10 Read	0 Unsigned 0		0 1	ŏ	Standard Standard Standard
-£920 -ER20 -£820	Generators Generators	Generator Starboard Generator Starboard	Generator Starboard Oil Pressure Generator Starboard RPM	SB Gen Oil SB Gen	GeneratorOilPressure2Fid GeneratorRpm2Fid	CAN 4 E	ER CA ER CA ER CA	N 11939 N 11939		1 ZadA MI 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	ő .	Standard Standard
-ER20 -ER20	Generators Generators	Generator Starboard Generator Starboard	Generator Starboard Starter Bartery Voltage Generator Starboard Throttle Position	SB Gen Start Batt SB Gen Throttle	GeneratorVoltage2Fid GeneratorThrottle2Fid	CAN 4	ER CA	N 11939 N 11939	j	1) IU Read 1 10 Read	0 Unsigned 0 0 Unsigned 0			9	Standard Standard
ER17 ER17 ER17	Propulsion Propulsion	Port Engine Port Engine	Engine Port Average Fuel Rate Engine Port Sattery Voltage	PS Eng Avg Fuel PS Eng Sattery	EngineFuelRateAvq1Fld EngineVoltage1Fld	CAN 1	ER CA ER CA	N J1939			been examined a opraisal Documer	nd given the sta it (DAD) number	tus as snow helow	n Ing	Standard Standard
R17 R17	Propulsion Propulsion Propulsion	Port Engine Port Engine Port Engine	Engine Port Coolant Level Engine Port Coolant Temperature Engine Port Desired RPM	PS Eng Coolant PS Eng Coolant PS Eng Des RPM	EngineCoolant_evel1Fld EngineCoolantTemperature1Fld EngineDesiredRPM1Fld	CAN 1 E	ER CA ER CA	N 31939 N 31939 N 31939		1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1	0 G	Standard Standard Standard
ER17 ER17	Propulsion Propulsion	Port Engine Port Engine	Engine Port ECU Power Supply Voltage Engine Port Fuel Comsumption	PS Eng ECU PS Eng Fuel	EhgineECUVoltage1Fid EngineFuelRate1Fid	CAN 1 5	ER CA	N J1939 N J1939		DAD Mumber	0 Unsigned 0 0 Unsigned 0		0 i	G G	Standard Standard
ER17 ER17	Propulsion Propulsion	Port Engine Port Engine	Engine Port Fuel Pressure Engine Port Gear Oil Pressure	PS fing fuel PS fing Gear Oil	EngineFuelFressure1Fld EngineGearOiPressure1Fld	CAN 1	ER CA	N 31939		09.E 513	0 Unsigned 0 0 Unsigned 0		الل ال)yqs	Standard Standard
R17 R17 R17	Propulsion Propulsion Propulsion	Port Engine Port Engine Port Engine	Engine Port Gear Oil Temperature Engine Port Hours Engine Port Inlet Air Pressure	PS Eng Gear Oil PS Eng Hours PS Eng Inlet Air	EngineGearOifTemperature1Fld EngineHours1Fld EngineAirPressure1Fld	CAN I CAN I CAN I	ER CA	N 31939 N 31939 N 31939		Date and 11	-08-2009 i	itials: AWV	ixe ₈	gister	Standard Standard Standard
ER17 ER17	Progulsion Propulsion	Port Engine Port Engine	Engine Port Intake Manifold Temperature Engine Port Load	PS Esio Manifold PS Esio Manifold	ExistreManifoldTemperature1Fld EngineLoad1Fld	CAN I	ER CA ER CA	N 31939 N 31939		i l© Read 1 10 Read	0 Visigned 0 0 Unsigned 0		0 1 0 1	0 0	Standard Standard
ER17 ER17	Propulsion Propulsion	Port Engine Port Engine	Engine Port Oil Pressure Engine Port Speed	PS Eng Oil PS Eng Speed	EngineO@PressureTPM EngineRpmi.Fid	CAN 1 E	ER CA ER CA	N 31939		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	O O	Standard Standard
ER17 ER18 ERI8	Propulsion Propulsion Propulsion	Port Engine Starboard Engine Starboard Engine	Engine Port Total Fuel Used Engine Starboard Average Fuel Rate Engine Starboard Battery	PS Eng Total Fuel SS Eng Avg Fuel S8 Eng Battery	EngineTotalFisel1Fid EngineFuelRateAvg2Fld EngineFuelRateAvg2Fld	CAN 1 E CAN 2 E CAN 2 E	ER CA ER CA ER CA	N 31939			locument has be			0	Standard Standard Standard
ERIS ERIS	Propulsion Propulsion	Startoard Engine Startoard Engine	Engine Starboard Coolant Level Engine Starboard Coolant Temperature	SS Eng Coolant SS Eng Coolant	EngineCoolantLevel2Fld EngineCoolantTemperature2Fld	CAN 2 E	ER CA ER CA	N J1939 N J1939		I 10 Read ditu I 10 Read	itousiqued	id without any si	gnature:	0 0	Standard Standard
ER18	Propulsion Propulsion	Starboard Engine Starboard Engine	Engine Starboard Desired RPM Engine Starboard ECU Power Supply Voltage	SS Eng Des RPM SS Eng ECU	EngineDesiredRPM2Fld EngineECt/Vottage2Fld	CAN 2 E	ER CA ER CA	N J1939 N J1939		1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1	07	Standard Standard
ERIS ERIS ERIS	Propulsion Propulsion Propulsion	Starboard Engine Starboard Engine Starboard Engine	Engine Starboard Fuel Comsumption Engine Starboard Fuel Pressure Fnotics Factboard Case Of Pressure	SB fing Fuel SB fing Fuel SB fing Gear Oil	EngineFuelRate2Fld EngineFuelPressure2Fld EngineGearOilPressure2Fld	CAN 2 E CAN 2 E CAN 2 E	ER CA ER CA	N 11939	1	1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		U: 1		Standard Standard Standard
ER18 ER18	Propulsion Propulsion	Starboard Engine Starboard Engine	Engine Starboard Gear Oil Pressure Engine Starboard Gear Oil Temperature Engine Starboard Hours	SB Eng Gear Oil SB Eng Gear Oil SB Eng Hours	EnoineGearOilTemperatureZFld EnoineHoursZFld	CAN 2 E	er Cai er Cai er Cai	N 31939		l 10 Read i 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0			o o	Standard Standard Standard
ER18	Propulsion Propulsion	Starboard Engine Starboard Engine	Engine Starboard Inlet Air Pressure Engine Starboard Intake Manifold Temperature	SB Eng Inlet Alt SS Eng Manifold	Engine Air Pressure 2 Fld Engine Manifold Temperature 2 Fld	CAN 2	ER CAI	N 31939 N 31939	1	1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 9 1	Q Q	Standard Standard
R15 R18 SR18	Propulsion Propulsion Propulsion	Starboard Engine Starboard Engine	Engine Starboard Load Sroine Starboard Oil Pressure	58 Eng Coad 58 Eng Oil	EngineLoad2Fid EngineQuirpessure2Fid EngineQuirpessure2Fid	CAN 2 E	ER CAI ER CAI ER CAI	N 31939 N 31939 N 11939		1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1	01	Standard Standard Standard
918 981	Propulsion Propulsion Electrical Systems	Starboard Engine Starboard Engine Bushar AC B	Engine Starboard Speed Engine Starboard Total Fuel Used AC Busbar B Cbs Phi Average	SB Ang Speed SB Ang Total Fuel AC Bus B Cos Phi Ava	EngineRom2Fld EngineTotalFsel2Fld BusbarACAvgCosPhiBFld	CAN 2 E CAN 2 E SERJAL ER 1 E	ER CAI ER SEI	N 31939	1	1 10 Read 1 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1 0 1	0 0	Standard Standard Standard
R51 R51	Ejectrical Systems Electrical Systems	Busbar AC B Busbar AC B	AC Busbar B Cos Phi LI AC Busbar B Cos Phi L2	AC Bus B Cos Phi L1 AC Bus B Cos Phi L2	SusbarACL1CasPh:BFld BusbarACL2CasPhiBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEI ER SEI	RIAL <u>EM4000</u> RIAL EM4000	2	2 10 Read 2 10 Read	O Unsigned 0 O Unsigned 0		0 1 0 1	9 0	Standard Standard
851 R51	Electrical Systems Electrical Systems	Susbar AC B Busbar AC B	AC Busbar B Cos Phi L3 AC Busbar B Frequency	AC Bus B Cas Phi L3 AC Bus 6	BusbarACI,3CosPhiBFld BusbarACFrequencyBFld	SERIAL ER 1 E SERIAL ER 1 E	er sei	RIAL EM4600) RIAL EM4000	2 2	2 IG Read 2 IO Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	0	Standard Standard
R51 R51 R51	Electrical Systems Electrical Systems Electrical Systems	Busbar AC B Busbar AC B Busbar AC B	AC Busbar B Power Apparent L1 AC Busbar B Power Apparent L2 AC Busbar B Power Apparent L3	AC Bus B App L1 AC Bus B App L2 AC Bus B App L3	BusbarACL1ApparentPowerBFId BusbarACL2ApparentPowerBFId BusbarACL3ApparentPowerBFId	SERIAL ER 1 E SERIAL ER 1 E SERIAL ER 1 E	ER SEI ER SEI	RIAL EM4000 RIAL EM4000 RIAL EM4000		2 10 Read 2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1	0 6	Standard Standard Standard
R51		Busbar AC B Busbar AC B Busbar AC B	AC Busbar B Power Apparent Total AC Busbar B Power III AC Busbar B Power II	AC Bus B App Total AC Bus B LT	BusbarACLapparentPowerBrid BusbarAClapparentPowerBrid BusbarAClaPowerBrid	SERIAL ER 1 E SERIAL ER 1 E	er sei Er sei Er sei	RIAL EM4000	5	2 10 Read 2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1	Ö	Standard Standard Standard
R51 R51	Electrical Systems Electrical Systems	Busbar AC B Busbar AC B	AC Busbar B Power LZ AC Busbar B Power L3	AC Bus B L2 AC Bus B L3	BusbarACL2PowerBFld BusbarACL3PowerBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEI ER SEI	RIAL EM4000 RIAL EM4000	2 2	2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0		0 1 0 1	Ö Q	Standard Standard
R51 R51	Electrical Systems Electrical Systems	Busbar AC B Busbar AC B	AC Bushar B Power Reactive L1 AC Bushar B Power Reactive L2	AC Bus B React L1 AC Bus B React L2	BusbarACL1ReactivePowerBFld BusbarACL2ReactivePowerBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEF ER SEF	RIAL EM4000 RIAL EM4000	3	2 10 Read 2 10 Read	0 Unslaned 0 0 Unslaned 0		0 1	9	Standard Standard
R51	Electrical Systems Electrical Systems Electrical Systems	Bushar AC B Bushar AC B Bushar AC B	AC Bushar B Power Reactive L3 AC Bushar B Power Total AC Bushar B Voltage Average	AC Bus & React 13 AC Bus B Total AC Bus B Avg	Busbar ACL 3Reactive Power BFId Busbar ACPower BFId Busbar ACVoltage BFId	SERIAL ER 1 E SERIAL ER 1 E SERIAL ER 1 E	er sei Er sei Er sei	RIAL EM4000		2 15 Read 2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		v: 1	oj Oj	Standard Standard Standard
R51 R51	Electrical Systems	busbar AC B Busbar AC B Busbar AC B	AC Busbar B Voltage Average AC Busbar B Voltage L1-L2 AC Busbar B Voltage L3-N	AC 595 5 AY0 AC 695 6 L1-12 AC 895 5 L3	BusbarACL1L2VoltageBFld BusbarACPhaseL1VoltageBFld BusbarACPhaseL1VoltageBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEF	RIAL EM4000 RIAL EM4000		2 10 Read 2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0 0 Unsigned 0		0 1 3 1	Ö	Standard Standard Standard
R51 R51	Electrical Systems Electrical Systems	Busbar AC B Sosbar AC B	AC Busbar B Voltage 1.2-1.3 AC Busbar B Voltage 1.2-19	AC Bus B 12-13 AC Bus B 12	BusbarACLZL3VeltageBFld BusbarACPhaseL2VeltageBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEF	NAL EM4000 NAL EM4000	2	2 10 Read 2 10 Reas	0 Unsigned 0 0 Unsigned 0		i	0 0	Standard Standard
R51	Electrical Systems Electrical Systems	Busbar AC B Busbar AC B	AC Busbar B Voltage L3-L1 AC Busbar B Voltage L3-N	AC Bus B 13-11 AC Bus B 13	BusbarACL3L1VoltageBFld BusbarACPhaseL3VoltageBFld	SERIAL ER 1 E SERIAL ER 1 E	ER SEF ER SEF	RIAL EM4000 RIAL EM4000	2	2 10 Read 2 10 Read	0 Unsigned 0 0 Unsigned 0			0 0	Standard Standard
		Fuses Alarm Fariel Lazarette	Fuse Lazarette Alarms I Alarm SUZZER Alarm SUZZER	Fuse Lazarette Alarms 1 Alarsn	AlarmNetworkCable44Fld AlarmProAudibleOutputEngineRoomCmd	WAGO LAZ L WAGO LAZ L WAGO LAZ L	LAZ WA LAZ WA LAZ WA	GO Wago	192.168.1.94	1 10 Read 1 10 Read 1 10 Read	0 Unsigned 0 0 Unsigned 0	1 1 (1 1	0 750-610 0 750-504	Standard Standard
PLAZ	Alarm Panels Alarm Panels Alarm Panels	Alarm Panel Lazarette Alarm Panel Lazarette Alarm Panel Lazarette	Activate And Lamp Test SWITCH Dim SWITCH Silence Alarm SWITCH	Station Activate Dim Silence Alarm	AlarmProActivateEngineRoomCmd AlarmProDimSwitchEngineRoomCmd AlarmProAcknowledgeEngineRoomCmd	WAGO LAZ L	LAZ WA	GO Wago GO Wago	1	i 10 Read i 10 Read i 10 Read	D Unsigned 5 0 Unsigned 0 0 Unsigned 0	3 2	ļ	0 750-408 0 750-408 0 750-408	Request Request Request
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A211 A212		Fuses Bilde Alarms	Fuse Lazarette Alarms 2 Silge Alarm Lazarette PS	Fuse Lazarette Alarms Z Binge Alarm Lazarette PS	AlarmNetworkCable4SFld AlarmBilgetFld	WAGO LAZ : L	LAZ WA	GO Wago GO Wago		10 Read 1 10 Read	0 Unsigned 0 6 Unsigned 0	5 1 6 6 1	1	0 750-610 0 750-402	Standard Standard
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