

CONTRÔLEURS POUR MOTOPOMPE ANTI-INCENDIE, EN12845,PORTE RS485, ALIM. 12-24VDC, EXTENSIBLE



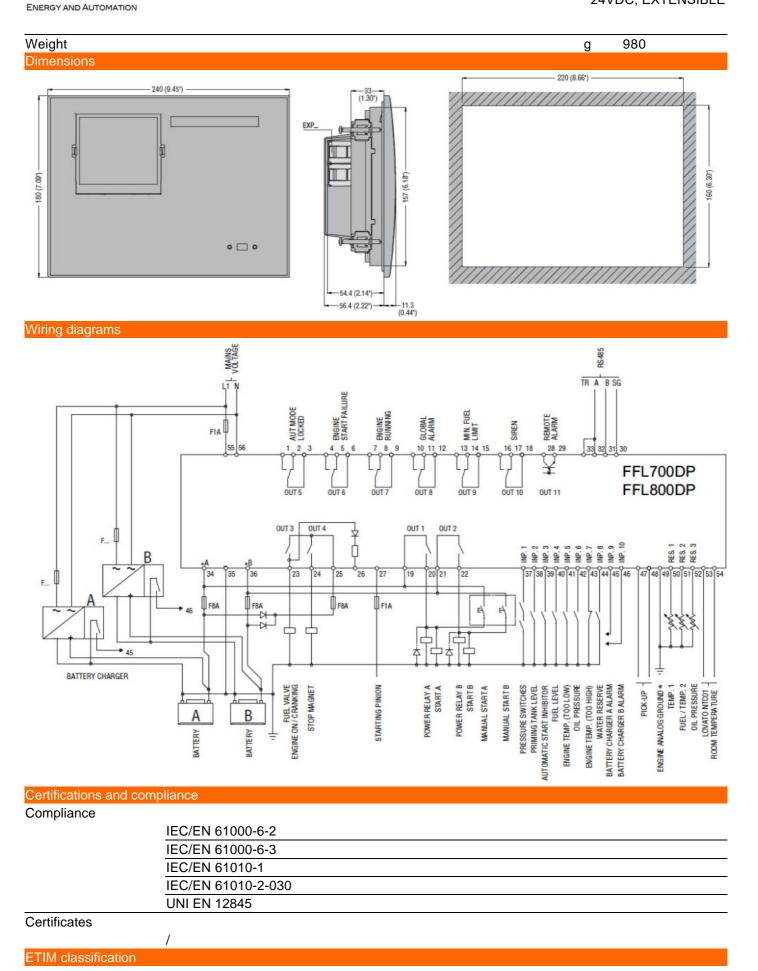
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Product designation Product type designation			Diesel engine fire pump controller, supply 12- 24VDC, built-in RS485, expandable with EXP modules FFLDP
Auxiliary supply			
Rated auxil. supply voltage			12/24VDC
Operating auxil. supply voltage range			7.533VDC
Voltage inputs			
Rated voltage Us			
	min Max	VAC VAC	100 250
Measurement range	IVICAX	V	50264
Frequency range		Hz	4565
Engine running input (D+) for pre-excited alternator		1,12	1000
Operating range		VDC	033VDC
Maximum input current		mA	0.5mA
			12 or 24 VDC
Max voltage at D+ terminal		VDC	(battery voltage)
Pre-excitation current			210mA at 12VDC / 130mA at 24VDC
Engine speed input (pick-up/W input)			
Input type			AC coupling
Minimum reading frequency voltage	High sensitivity Low sensitivity		≥2.8Vpp (1Vrms) at 40Hz ≥10Vpp (3.5Vrms) at 20000Hz ≥3.7Vpp (1.3Vrms) at 40Hz ≥7Vpp
	LOW Sensitivity		(2.5Vrms) at 2000Hz
Mearusing input impedance			> 100kΩ
Max iput voltage			84Vpp (30Vrms)
Pinion input			
Voltage range			033VDC
Input current			≤8mA
Threshold			adjustable
Input delay			adjustable
NTC probe input			
Sensor type			NTC (LOVATO code NTC01)



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Measuring range		°C	-40+85
Maximum connection lenght		mt	3m
Digital inputs			
Number of digital input		Nr.	10
Digital input type			Negative
Digital input current		mA	≤6
High digital input signal		V	≥4.9V (typical 3.8V)
Low digital input signal		V	≤1.25V (typical 1.9V)
Digital input signal delay		ms	≥50
Relay outputs Number of relay output		Nr.	10
Mechanical endurance		INI.	107
Electrical endurance			10 ⁵
Static Outputs			10
Number of static output			1 (OUT11)
Static output type			NO
Operating voltage		V	1030VDC
Maximum current		mΑ	50mA
RS485 serial interface			
Interface type			Isolated RS485 serial interface
Baud rate		bps	1200115200
Insulation voltage (RS485-Vbatt)		<u> </u>	1kVDC
Connections			
Type of terminal			Removable
			screw-type
Conductor cross section			
AWG/Kcmil		414/0	0.4
	min Mov	AWG AWG	24 12
IEC	Max	AVVG	12
iec	min	mm²	0.2
	Max	mm²	2.5
Tightening torque for terminals			
	max	Nm	0.56
	max	lbin	5
Ambient conditions			
Temperature			
Operating temperature		° C	0.5
	min	°C	-25 +70
Storage temperature	max		+70
Storage temperature	min	°C	-30
	max	°C	+80
Relative humidity		%	<80% (IEC/EN
			60068-2-78)
Housing Execution			Flush-mount
Material			Polycarbonate
			IP65 Frontal;
Degree of protection			IP20 on terminals
Dimensions (W x H x D)		mm	240 x 180 x 43.9

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FFL800DP

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ETIM 8.0

EC002685 -Central fire alarm control panel