

Product designation	Electric fire pump controller, supply 24VAC or 100-240VAC, built-in RS485, expandable with EXP.. Modules FFL...EP		
Product type designation			
Auxiliary supply			
Rated auxil. supply voltage	24VAC/110...240VAC		
Operating auxil. supply voltage range	19.2...28.8VAC / 90...264VAC		
Operating frequency range	Hz	45...66Hz	
Voltage inputs			
Rated voltage Us	min	VAC	100
	Max	VAC	600
Measurement range		V	100...720
Frequency range		Hz	45...66
NTC probe input			
Sensor type	NTC (LOVATO code NTC01)		
Measuring range		°C	-40...+85
Maximum connection lenght		mt	3m
Digital inputs			
Number of digital input	Nr.	8	
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 2.3V)
Digital input signal delay	ms	≥50	
Current inputs			
Rated current (Ie)	A	/1A or /5A	
Relay outputs			
Number of relay output	Nr.	9	
Mechanical endurance		10 ⁷	
Electrical endurance		10 ⁵	
Static Outputs			
Number of static output		1 (OUT10)	
Static output type		NO	
Operating voltage	V	10...30VDC	
Maximum current	mA	50mA	
RS485 serial interface			
Interface type		Isolated RS485 serial interface	
Baud rate	bps	1200...115200	
Insulation voltage (RS485-Vbatt)		1kVDC	
Connections			
Type of terminal		Removable screw-type	
Conductor cross section			
	AWG/Kcmil	min	AWG 24

		Max	AWG	12
IEC		min	mm ²	0.2
		Max	mm ²	2.5
Tightening torque for terminals				
		max	Nm	0.56
		max	lbin	5
Ambient conditions				
Temperature				
Operating temperature		min	°C	-25
		max	°C	+70
Storage temperature		min	°C	-30
		max	°C	+80
Relative humidity			%	<80% (IEC/EN 60068-2-78)
Housing				
Execution			Flush-mount	
Material			Polycarbonate	
Degree of protection			IP65 Frontal; IP20 on terminals	
Dimensions (W x H x D)			mm	240 x 180 x 43.9
Weight			g	980
ETIM classification				
ETIM 8.0			EC002685 - Central fire alarm control panel	