



Tension Electronics PFEA111-20

URL: <https://www.sxplc.com/tension-electronics-pfea111-20>

Product data sheet

Type	PFEA111	PFEA112	PFEA122	PFEA132
Power supply				
IP20 voltage	DC 24 V			
Power requirement	7.5 W	7.5 W	7.5 W	
IP65 main voltage	DC 24 V (18 - 36 V) 100 (-15%) - 240 (+10%) V AC			
Frequency	45 - 65 Hz			
Number of load cells	2	2	2	2
Load cell excitation				
Current	0.5 A rms, 330 Hz	0.5 A rms, 330 Hz	0.5 A rms, 330 Hz	0.5 A rms, 330 Hz
Max. load	2 load cells plus 5 Ω cable resistance	2 load cells plus 5 Ω cable resistance	2 load cells plus 5 Ω cable resistance	4 load cells plus 5 Ω cable resistance
Inputs				
Digital inputs (remote zero or gain scheduling)	-	-	-	-
Analog inputs (connection of multiple PFEA 113 units)	-	-	-	-
Outputs				
Analog outputs (voltage or current)	-	-	-	-

current)				
-5 - +11V (max.load 5 mA)	1	1	1	
0 - 21 mA (max. load 550 Ω)	1	1	1	
Selectable filter	15, 30, 75, 250, 750,	15, 30, 75, 250, 750,	15, 30, 75, 250, 750,	5, 15,
Step response (0 to 90 %) can be set for each output	1500 ms	1500 ms	1500 ms	750,
Scaling function for analog outputs	Yes	Yes	Yes	
Digital outputs (Status OK and/or Level detectors)	-	-	-	
Self diagnostics, Status OK				
LED (green/red)	Yes	Yes	Yes	
Alarm on Digital output	-	-	-	
Alarm via PROFIBUS	-	Yes	-	
Alarm via PROFINET	-	-	Yes	
Multi language interactive display	Yes	Yes	Yes	
Selectable tension units on the display	N, kN, kg and lbs., N/m, kN/m, kg/m, pli			
Maximum load memory	Yes	Yes	Yes	
Zero offset memory	Yes	Yes	Yes	
Communication				
PROFIBUS DP	-	GSD file ABB_0716.GSD		G ABB_
PROFINET RT			GSDML-V2.42-ABB-PF EA122-20230330.xml	
Environmental tolerance				
Electrical environment				
Electrical interference environment	As per EMC Directive 2014/30/EU			
Electrical safety	As per Low Voltage Directive 2014/35/EU			

	As per UL508 Industrial control equipment - uL508 approval available for PFEA113 and PFEA112 IP20
Ambient temperature	+5 - +55°C
Degree of protection	IEC 529 Protection class IP20 or IP65

