

Real-time inventory of ABB products

Controller PFEA111/PFEA112/PFEA113 Series



Who we are

IZE-industries was established in 2010. With its many years of professional experience, providing advanced manufacturing industries technology and equipment. Including advanced electrical automation, machinery and transmission, fluid control, instrumentation, tools and other products. As a partner in electrical, hydraulic and pneumatic solutions, we also provide our customers with consulting solutions, market knowledge, and value-added services.

Engineering and Consulting

Full-service controls engineering and consulting solutions for industrial manufacturing equipment, including:

Electrical design

PLC programming and repair

Process optimization

Down-time consultation

spare parts from the areas, including:

Hydraulic

Pneumatic

Industrial

Automation technology.

ABB Controller PFEA111/PFEA112/PFEA113

All three versions have multi-language digital display and configuration keys. The configuration keys being used for setting different parameters and to check the status of the tension system. The 2 x 16 character display can present sum, difference or individual load cell signals. All three versions are available in both DIN-rail version and enclosed IP651) version for mounting in more severe environments.

PFEA112 or PFEA113 unit provides the same functionality and user friendliness as the PFEA 111 with the addition of fieldbus communication via Profibus-DP.

Data	PFEA 111	PFEA 112	PFEA 113
Power supply			
IP 20 Voltage	DC 24 V (18–36 V)		
Power requirement	7.5 W	7.5 W	12 W
IP 65 Main voltage	DC 24 V (18–36 V) 100 (-15%) – 240 (+10%) V AC		
Frequency	45–65 Hz		
Number of load cells	2	2	4
Load cell excitation			
Current	0.5 A rms, 330 Hz	0.5 A rms, 330 Hz	0.5 A rms, 330 Hz
Max. load	2 load cells	2 load cells	4 load cells
	plus 5 Ω cable resistance	plus 5 Ω cable resistance	plus 10 Ω cable resistance
Inputs			
Digital inputs (remote zero or gain scheduling)	-	-	1
Analog inputs (connection of multiple PFEA 113 units)	-	-	2
Outputs			
Analog outputs (voltage or current)	-	-	6
-5 to +11 V (max. load 5 mA)	1	1	-
0 to 21 mA (max. load 550 Ω)	1	1	-
Selectable filter			
Step response (0–90%) can be set for each output	15, 30, 75, 250, 750, 1500 ms	15, 30, 75, 250, 750, 1500 ms	15, 30, 75, 250, 750, 1500 ms
Scaling function of analog outputs	Yes	Yes	Yes
Digital outputs (Status OK and/or Level detectors)	-	-	4
Self diagnostics, Status OK			
LED (green/red)	Yes	Yes	Yes
Alarm on Digital output	-	-	Yes
Alarm via Profibus	-	Yes	Yes
Multi-language interactive display ¹⁾	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, baud rate up to 12 Mbit	-	Yes	Yes
GSD-file	-	ABB_0716.GSD	ABB_0717.GSD
Environmental tolerance			
Electrical environment			
Electrical interference environment	As per EMC Directive 89/336/EEC		
Electrical safety	As per Low Voltage Directive 73/23/EEC		
	As per UL508 Industrial control equipment ²⁾		
Ambient temperature	+5 to +55°C		
Degree of protection	IEC 529 Protection class IP 20 or IP 65		



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Insulation amplifier PXUB 201

The insulation amplifier can be used when galvanic insulation is required for analog output signals. The insulation amplifier can be connected to all versions and PFEA 113 – IP 65 can hold up to four PXUB 201.

Supply voltage	+24 V (20–253 V AC/DC)	
Current consumption	10 mA + external load	
Signal range	Input	Output
	0 to ± 10 V	0 to ± 10 V
	0 to ± 10 V	0 to ± 20 mA
	0 to 10 V	4 to +20 mA
Rated insulation voltage	600 V (basic)	

Relay board PXKB 201

PXKB 201 is DIN-rail mounted and can be mounted in the IP 65 versions of the Tension Electronics together with the insulation amplifier. PFEA 113-65 can hold up to four PXKB 201.

Supply voltage	+24 V DC	
Power consumption	18 mA	
Contact data	AC	6 A at 250 V
	DC	6 A at 250 V

Power supply unit

When using the DIN-rail IP 20 version of the electronics and 24 V main supply is not available, ABB offers optional power supply units.

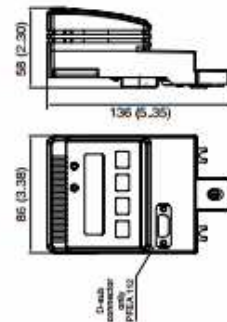
The compact units transform main supply from 110–120 V/207–240 V AC to 24 V DC for supply of the PFEA 111, 112 and 113.

Three power supply units with different power ratings are available. The table below indicates max. number of electronics per power supply unit.

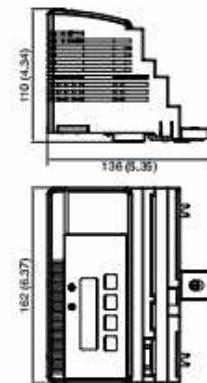
	PFEA 111	PFEA 112	PFEA 113
SD831 3 A	6	6	3*
SD832 5 A	12	12	6*
SD832 10 A	24	24	12*

* Supply of digital outputs are not included

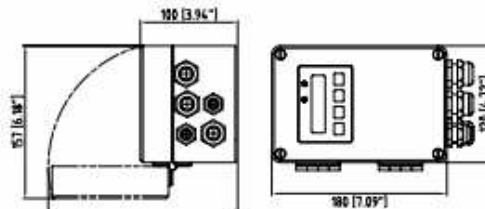
PFEA 111/112 IP 20 version (unsealed)



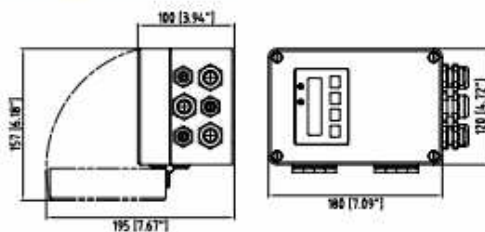
PFEA 113 IP 20 version (unsealed)



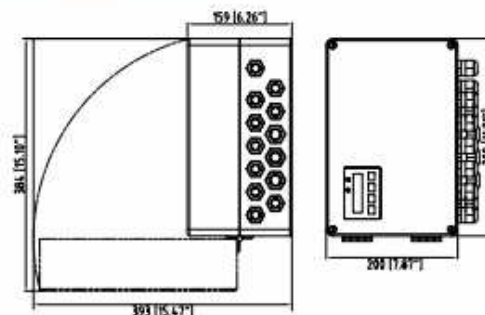
PFEA 111 IP 65 version



PFEA 112 IP 65 version



PFEA 113 IP 65 version



Real-time inventory of ABB controller
NEW+ORIGINAL+IN STOCK+ONE YEAR WARRANTY
IZE-industries in stock



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We also maintain stock of Factory Sealed items PLC , HMI for Schneider Electric.

The module can passed all the items on our test platform

14 Days Return warranty

Full Working Condition

Provide all accessories e.g. battery, key.....

USED, EXCELLENT CONDITION, LIKE NEW

Please contact us for complete stock list or special discount.

If you are looking for any obsolete / Hard, we can help you.



If you have any question for ABB controller or Schneider PLC, please feel free to dial 0086-21-3100 6702 or browse our website: www.ize-industries.com.

IZE-industries

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