AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

PFEA112-65

Enclosed Web Tension Electronics

TYPE	REFERENCE	FAMILY	SCOPE
Enclosed Web Tension Electronics	**PFEA112-65**	**PFEA112 / IP65**	**Exact-model data**

ABB PFEA112-65 is enclosed web tension electronics combining two load-cell inputs, analog signal outputs and PROFIBUS DP communication. Its wall-mounted IP65 version provides a local display and configuration keys for presenting the sum, difference or individual load-cell signals in the documented measurement arrangement.

01 DOCUMENTED PRODUCT REFERENCE

Enclosed-unit AC supply	85-264 V AC
Mains frequency	47-63 Hz; technical-data table
Electronics power consumption	8 W at 24 V DC
Enclosed-unit fuse	Slow blow, 2 A, 250 V
Load-cell excitation	0.5 A rms, 330 Hz
Load-cell input channels	2
Input impedance	10 kohm
Voltage output	0-10 V; range -5 to +11 V; maximum load 5 mA

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Current output	4-20 mA; range 0-21 mA; maximum load 550 ohm
Analog output response	15 ms step response; 35 Hz bandwidth, before extra filtering
Extra output filter settings	30 / 75 / 250 / 750 / 1500 ms
Wrap gain adjustment	0.5-20
Enclosure protection	IP65 / NEMA 4
Fieldbus interface	PROFIBUS DP slave; RS-485; maximum 12 Mbit/s
PROFIBUS measurement encoding	2 values; each signed 16-bit, two-complement

03 APPLICATION AND CONFIGURATION

- PFEA112-65 and complete article marking
- Enclosed version and incoming power
- Load-cell polarity and wrap gain
- PROFIBUS address, scaling and status
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB 3BSE029380R0201 Rev E, PFEA111/112/122 User Manual

ABB 3BSE029380R0201 Rev E, sections 1.6, 2.4.2, 3.13 and Appendix A.3. Enclosed IP65 version; PFEA112 PROFIBUS data only.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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