

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Honeywell CC-PSP401 / 51454122-175
Series C Speed Protection Module

CHANNELS	VOTING	IOTA	SYSTEM
26	2-out-of-3	CC-TSP411	Series C

Honeywell CC-PSP401 is a Series C Speed Protection Module that supports two-out-of-three voting logic and multiple configurable trip limits for speed and acceleration. It is paired with the redundant CC-TSP411 Speed Protection IOTA.

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PRODUCT PARAMETERS

Product model	CC-PSP401
Honeywell part number	51454122-175
Module function	Speed protection
Total channels	26
Voting logic	2-out-of-3 for speed and acceleration
Compatible IOTA	CC-TSP411, redundant, coated
System family	Series C / Experion
Analog inputs	8
Passive speed inputs	4
Active speed inputs	4
Digital inputs	8
Analog output	1

02 SYSTEM ROLE AND APPLICATIONS

- Turbine overspeed protection logic
- Compressor speed and acceleration monitoring
- Rotating-equipment trip voting
- Active and passive speed-sensor acquisition
- Machinery shutdown relay coordination

03 IOTA CONNECTION SUMMARY

Terminal block 1	8 analog inputs and 4 passive speed inputs
Terminal block 2	4 active speed inputs, 8 digital inputs and 1 analog output
Terminal block 3	Relay output contacts
Field supply	24 V connections where specified
Configuration	Controlled Experion / Series C engineering

04 OFFICIAL INSTALLATION FACTS

- Use only with the compatible CC-TSP411 redundant Speed Protection IOTA.
- Verify sensor type, polarity, field supply and terminal assignments.
- Confirm voting groups and configured speed or acceleration trip limits.
- Test relay outputs and shutdown logic under the controlled commissioning procedure.