

F3221 field connection plan

The F3221 front plug receives 16 documented input channels. The original HIMA sheet provides the d2-d32 assignments and identifies z2 as the L- return. Use the cabinet record to confirm the actual cable-plug variant before touching wiring.

CHANNELS	CONTACTS	PRE-CONNECTION CHECK
01 / 09	d2 / d18	Confirm first and ninth channel positions.
02 / 10	d4 / d20	Compare both field labels with original drawings.
03 / 11	d6 / d22	Preserve the documented lead-colour assignments.
04 / 12	d8 / d24	Do not swap adjacent even contacts.
05 / 13	d10 / d26	Check mechanical condition of the plug.
06 / 14	d12 / d28	Trace both channels independently.
07 / 15	d14 / d30	Record the pre-change field state.
08 / 16	d16 / d32	Verify the last channel before energizing.

SIGNAL MATCH

The manufacturer's stated field options are a 1-signal at 8 mA with cable plug or a 24 V mechanical contact. Confirm the installed circuit and original HIMA instructions before using either input type.

NON-INTERACTING BOUNDARY

The F3221 is identified as a non-interacting module with safety isolation. Do not infer SIL capability or interchangeability from this description alone.

Controlled startup and acceptance

Complete these checks against the site-approved HIMA system procedure. Record actual test observations rather than assuming that a correct-looking connector proves a functional input.

STEP	CONTROL	ACCEPTANCE RECORD
1	Module identity	F3221 complete marking and installed revision recorded.
2	Rack position	Original slot and 4 TE allocation confirmed.
3	Power sources	Rack 5 V and field 24 V arrangements checked.
4	Plug condition	Z 7116 / 3221 plug and cable condition inspected.
5	Return path	L- connection verified on the controlled drawing.
6	Inputs 1-8	Each input state observed and logged independently.
7	Inputs 9-16	Each input state observed and logged independently.
8	Response	Application checks accept the typical 10 ms module switching time.
9	Logic proof	Safety function and alarm response checked by the site authority.

RELEASE HOLD

Do not return the system to service until input states, cable identity and the associated controller logic are documented and accepted by the responsible site engineer.

MANUFACTURER BASIS

HIMA F 3221 (9912) Overview Data Sheets, pp. 1-2. Site-specific tests govern.