

F3221

HIMA 16-fold input module | original F 3221 (9912) overview

A 16-channel, non-interacting input module for the documented 1-signal or 24 V mechanical-contact interface. Safety isolation and the original front-plug mapping are part of the manufacturer description.

ROLE

Bring 16 documented field contact states into the installed HIMA system.

INPUT

1-signal, 8 mA with cable plug; or 24 V mechanical contact.

RESPONSE

Typical switching time: 10 ms.

FOOTPRINT

HIMA sheet states a 4 TE space requirement.

Signal path and qualification

FIELD SIDE

Check each sensor or contact against its original channel and the approved 24 V field wiring.

PLUG SIDE

Match Z 7116 / 3221 cable-plug identity and d-contact allocation to the controlled panel record.

CONTROLLER SIDE

Confirm the installed HIMA rack, supply and logic assignment before energizing.

Controlled replacement checklist

STEP	CONTROL	REQUIRED EVIDENCE
1	Exact identity	Confirm F3221 and the installed module revision against the cabinet record.
2	Isolation	Apply the site-approved power isolation and verification procedure.
3	Channel record	Record channels 1-16 and their existing d2-d32 contact positions.
4	Return path	Confirm the L- return and its original plug assignment.
5	Signal compatibility	Match the 1-signal or 24 V mechanical contact to the original circuit.
6	Cable plug	Inspect Z 7116 / 3221 / C.. identity, termination and lead markings.
7	Supply check	Check the rack 5 V DC and field 24 V DC arrangements against the approved drawing.
8	Functional proof	Test affected input states and record a controlled acceptance result.

SOURCE AND RELEASE BOUNDARY

HIMA Paul Hildebrandt GmbH + Co KG, F 3221 (9912) Overview Data Sheets, pages 1-2. This summary does not replace the installed HIMA safety manual, cabinet drawings or site acceptance procedure.