

F3221

16-fold digital input module

The original HIMA F 3221 (9912) overview identifies this as a non-interacting, safety-isolated input module for 1-signals or mechanical contacts. The cable plug and channel allocation must match the installed HIMA system.

16 INPUTS

Channels 1 through 16 are individually assigned on the HIMA plug diagram.

FIELD SIGNAL

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

DESIGN

Safety isolation; listed as non-interacting in the manufacturer sheet.

Manufacturer operating values

PARAMETER	HIMA F 3221 DATA
Typical switching time	10 ms
Space requirement	4 TE
5 V DC operating draw	70 mA
24 V DC operating draw	130 mA
Original signal plug	Z 7116 / 3221 cable plug family

IDENTITY BOUNDARY

Do not substitute a visually similar F32xx card. Verify the full F3221 marking and original plug assignment.

Front cable plug and channel map

The HIMA sheet assigns input channels 1-16 to even-numbered d contacts. z2 is shown as the L- return; verify the original cabinet drawing before any reconnection.

CHANNEL	CONTACT	LEAD COLOUR
1	d2	white
2	d4	brown
3	d6	green
4	d8	yellow
5	d10	grey
6	d12	pink
7	d14	blue
8	d16	red
9	d18	black
10	d20	violet
11	d22	white-brown
12	d24	white-green
13	d26	white-yellow
14	d28	white-grey
15	d30	white-pink
16	d32	white-blue

CABLE AND CONNECTOR

HIMA identifies Z 7116 / 3221 / C.. with LiYY 16 x 0.25 mm² cable and a 2.8 x 0.8 mm flat-pin plug. Confirm the installed cable variant and markings rather than inferring them from the module alone.