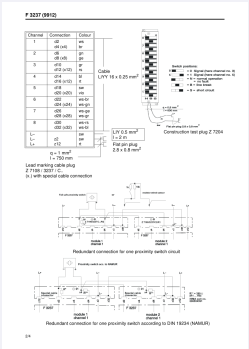
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

F3237

Safety-related NAMUR input module



PRODUCT	F3237
FAMILY	HIQuad H41q/H51q
FUNCTION	Safety-related NAMUR input module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from HIMA documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Input channels	8
Signal interface	NAMUR, DIN 19234; resistor-wired sensors
Safety requirement class	AK 1-6
Switching time	Approximately 10 ms
Logic 0 current	0.35-1.2 mA
Logic 1 current	2.1-6.0 mA

02 PREPARATION AND CONNECTION

- Follow the channel-to-front-cable assignment for all eight inputs.
- Use the documented 8.2 V NAMUR sensor circuit arrangement.
- Keep line impedance within 50 ohm and the stated cable-length limit.
- Use the special 47 kohm resistor example only for the specified sensor case.

03

OFFICIAL INSTALLATION REFERENCE

F 3237 (9912)

Channel	Connection	Colour
1	d2 d4 (x4)	ws br
2	d6 d8 (x8)	gn ge
3	d10 d12 (x12)	gr rs
4	d14 d16 (x12)	bl rt
5	d18 d20 (x20)	sw vio
6	d22 d24 (x24)	ws-br ws-gn
7	d26 d28 (x28)	ws-ge ws-gr
8	d30 d32 (x32)	ws-rs ws-bl
L– L– L+	 z2 z12	sw sw rt

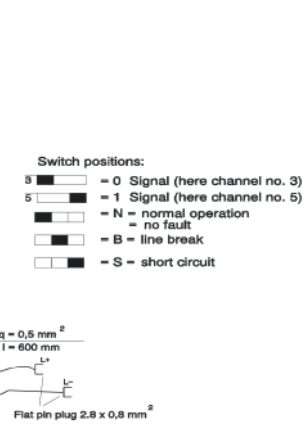
Cable
LiYY 16 x 0.25 mm²

LIY 0.5 mm²
l = 2 m

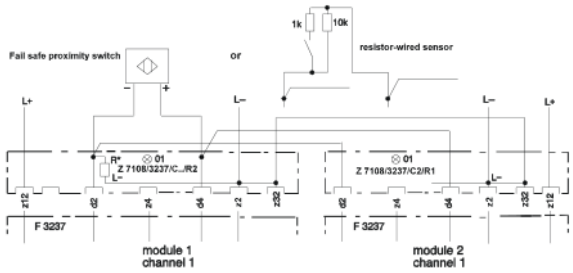
Flat pin plug
2.8 x 0.8 mm²

q = 1 mm²
l = 750 mm

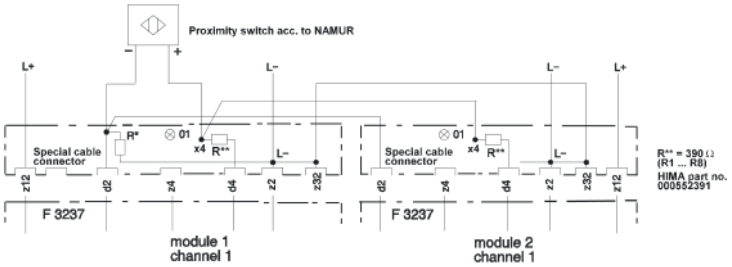
Lead marking cable plug
Z 7108 / 3237 / C..
(x.) with special cable connection



Construction test plug Z 7204



Redundant connection for one proximity switch circuit



Redundant connection for one proximity switch according to DIN 19234 (NAMUR)

2/4

04 COMMISSIONING CHECKS

01	Verify F3237 and its approved safety configuration.
02	Confirm the front-cable type and channel allocation.
03	Test logic 0 and logic 1 at the documented current bands.
04	Test the approved wire-break response for each used channel.
05	Test the approved short-circuit response for each used channel.
06	Inspect LEDs separately; automatic tests exclude LED functions.

05 CONTROLLED DOCUMENT

Official source	HIMA F 3237 (9912), pp.2-3.
Product record	F3237
Manufacturer	HIMA
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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