01 / Product and system dashboard

HIMA

F3238

Input Module

Product role

HIMA F3238 is an eight-channel HIQuad input module for NAMUR proximity switches or contacts with a resistor network.

Field switch
NAMUR or resistor network

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F3238
Eight input channels

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HIQuad system
Configured safety evaluation

Engineering scope

F3238 is an eight-channel initiator input module. Intrinsic-safety values apply to the certified circuit arrangement and its external capacitance/inductance conditions; module identification alone does not establish a complete safety-loop approval.

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
Platform	HIQuad	UB2 supply	5 V DC, ±10%
Input channels	8	Certified ambient range	0–60 °C
Input sources	NAMUR proximity switches; contacts with resistor network	Intrinsic-safety Uo	9.9 V
Line diagnostics	Short-circuit and open-circuit monitoring	Intrinsic-safety Io	15 mA
Safety capability	SIL 3 in the applicable approved system	Intrinsic-safety Po	38 mW
UB1 supply	24 V DC, −15%/+20%		

Configuration boundary

F3238 is an eight-channel initiator input module. Intrinsic-safety values apply to the certified circuit arrangement and its external capacitance/inductance conditions; module identification alone does not establish a complete safety-loop approval.

03 / Applications and system integration

NAMUR switching signals

Evaluate suitable proximity-switch states through the approved initiator-input circuit.

Resistor-network contacts

Use contacts with the required network so that signal states and line faults can be distinguished.

Hazardous-area field loops

Connect certified field devices using entity parameters and wiring conditions appropriate to the location.

Safety-system maintenance

Retain the module revision, channel assignments and validated safety application during replacement.

Functional context

The IECEx circuit specification gives a 24 V DC supply circuit UB1 with −15%/+20% tolerance and a separate 5 V DC UB2 supply with ±10% tolerance. The certified ambient range is 0–60 °C. These supply values belong to the module circuits and must not be confused with the intrinsically safe field-loop output limits.

04 / Service and installation decisions

Check complete approval

Match module revision and the complete system approval before installation.

Match field devices

Use the correct NAMUR sensor or contact resistor network for the intended loop.

Review entity parameters

Check Uo, Io, Po and the applicable external capacitance and inductance limits together.

Separate supply circuits

Distinguish the 24 V and 5 V supply circuits from the intrinsically safe field connections.

Respect ambient conditions

Maintain the certified 0–60 °C module ambient range and approved enclosure conditions.

Validate safety behavior

Perform the authorized channel and fault-response validation before returning the safety function to service.

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete F3238 identity. Apter Power availability is confirmed separately in the quotation.

Reference basis

HIMA HIQuad technical product overview; IECEx TUR 18.0006 Issue 2, attachment Revision 02.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

HIMA F-BASE RACK 01

HIMA M3421

HIMA H7015A

Discuss your installed configuration

Send the full unit marking and connection details.

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