



HIMA HIMatrix F3 DIO 8/8 01

Safety-related remote I/O with digital inputs and outputs

Product scope

- 8, configurable for line monitoring
- 6 single-pole plus 2 two-pole outputs
- 2 x 100BASE-TX
- SafeEthernet

Manufacturer source

HIMA HIMatrix technical overview and F3 DIO 8/8 01 datasheet.

The enclosed record identifies the exact product and summarizes verified function, application and matching limits.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	HIMA HIMatrix F3 DIO 8/8 01	

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HIMA HIMatrix F3 DIO 8/8 01

Safety-related remote I/O with digital inputs and outputs

Verified product specifications

The following data is limited to the exact model and the manufacturer evidence listed in this document.

Digital inputs	8, configurable for line monitoring
Digital outputs	6 single-pole plus 2 two-pole outputs
Ethernet ports	2 x 100BASE-TX
Safety network	SafeEthernet
Safety capability	SIL 3, Category 4 and PL e
Rated supply range	20.4 to 28.8 V DC
Ambient temperature	0 to 60 deg C for variant 01
Device class	Compact safety-related remote I/O

Manufacturer references

- HIMA HIMatrix technical overview and F3 DIO 8/8 01 datasheet.
- Official source: <https://hima.com/safety-platform-products/technical-overview>
- Official document: <https://www.hima.com/dodownload/61147>

HIMA HiMatrix F3 DIO 8/8 01 function and application

Model-specific operation, system role and matching boundaries

Safety I/O role

The compact unit combines monitored digital inputs, safe outputs and network access for distributed safety functions.

Execution principle

Input states are processed by the safety application and output commands are delivered with internal diagnostics and fault reaction.

Network application

Two Ethernet ports support SafeEthernet integration into HiMatrix safety systems and redundant plant topologies.

Replacement boundary

Transfer the certified application only after checking hardware revision, communication parameters, supply grouping and proof-test requirements.

Product identity checked: HIMA HiMatrix F3 DIO 8/8 01



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