

INDUSTRIAL AUTOMATION PRODUCT

52100

Planar4 Time Delay Element

HIMA 52100 is a Planar4 safety-related time delay element. It applies a defined timing function inside Planar4 shutdown and protection logic.

IDENTITY	VERIFIED VALUE
Manufacturer	HIMA
System family	HIMA Planar4 Safety System
Part number	52100
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named HIMA product record.

PARAMETER	TECHNICAL VALUE
Module function	Time delay element
Time functions	1
Safety capability	SIL 3
Redundant application	1oo2 or 2oo3 for SIL 4 applications
Hardware revision	20
System architecture	Planar4
Rack format	19 inch
Rack capacity	21 slots

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Planar4 19-inch rack
Companion hardware	approved Planar4 logic modules
Field connection	safety application wiring
Primary system function	Provides one configurable time-delay function in a Planar4 logic system
Controlled acceptance duty	Delayed shutdown command logic

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System Role and Architecture

HIMA 52100 is a Planar4 safety-related time delay element. It applies a defined timing function inside Planar4 shutdown and protection logic.

FUNCTION 1

Provides one configurable time-delay function in a Planar4 logic system

FUNCTION 2

Implements safety-related timing within the approved module architecture

FUNCTION 3

Can participate in redundant 1oo2 or 2oo3 arrangements

FUNCTION 4

Fits the established 19-inch Planar4 rack platform

Matched system components

- Planar4 19-inch rack
- approved Planar4 logic modules
- safety application wiring
- proof-test and maintenance records

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Planar4 19-inch rack
Companion hardware	approved Planar4 logic modules
Field connection	safety application wiring
Primary system function	Provides one configurable time-delay function in a Planar4 logic system
Controlled acceptance duty	Delayed shutdown command logic

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Applications and Engineering Context

Delayed shutdown command logic

Provides one configurable time-delay function in a Planar4 logic system

Timed process permissive sequence

Implements safety-related timing within the approved module architecture

Redundant safety timing channel

Can participate in redundant 1oo2 or 2oo3 arrangements

Planar4 legacy safety-system maintenance

Fits the established 19-inch Planar4 rack platform

TECHNICAL NOTE

Confirm the installed hardware revision and documented delay function, preserve the safety logic arrangement, then proof-test timing and final trip behavior before restoring the protected process.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	52100 / 52100 recorded
Physical interface	Planar4 19-inch rack
Companion check	approved Planar4 logic modules
Functional proof	Provides one configurable time-delay function in a Planar4 logic system
Application test	Delayed shutdown command logic

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Engineering Precautions

1

Verify the complete 52100 marking and hardware revision before removal.

2

Place the protected plant and Planar4 logic in the approved maintenance state.

3

Record the as-found delay setting, slot and connected safety function.

4

Isolate the rack and field energy required by the Planar4 maintenance procedure.

5

Use ESD controls and inspect rack contacts before inserting the module.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
H7506	HIMA bus terminal	Open product page
K7214	HIMA 24 Vdc current distribution	Open product page
52100	Planar4 time delay element	Open product page

MANUFACTURER SOURCE RECORD

Planar4 Safety Module Certificate and Hardware Revision List

60232 / 61526

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