SOURCE-CONTROLLED TECHNICAL SUMMARY

42300

Planar4 Safety-Related OR Module

Manufacturer source: HIMA Planar4 revision data and TÜV 14 ATEX 7554 X annex

LOGIC FUNCTIONS	8 OR functions
INPUTS	2 inputs for each OR function
HARDWARE REVISION	21
OEM REVISION STATUS	Valid
SYSTEM CONTEXT	Planar4 hard-wired safety-related control system
SYSTEM SUPPLY	24 V DC Planar4 system context

Only manufacturer-supported values are included. Unpublished ratings are intentionally omitted.

Use the complete installed nameplate and current system documentation before wiring or commissioning.

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(13) Annex to

(14) # Type Examination Certificate

TÜV 14 ATEX 7554 X Issue: 01

(15) **Description of equipment**

15.1 Equipment and type:

Planar 4 System Modules
12100, 13110, 22100, 22120, 22121, 32100, 32101, 32102, 32103, 32110, 42100, 42110, 42200, 42300, 42400, 42500, 52100, 52110, 62100, 80105, 80106, 80107, 80110, 90100, 90300, 90900, 90901, 90910, 90911, K9203A

The type designation of the modules consists of five digits. It is defined according to the following code:

Digit					Allocation
1	2	3	4	5	
1					Input modules
2					Output modules
3					Relay modules
4					Logic function modules
5					Timer function modules
6					Analogue modules
7					
8					Communication modules
9					Power supply, accessories
	0				No certification
	1				(Ex)i certificate
	2				TÜV certificate fs, safety-related
	3				(Ex)i and TÜV certificate fs
	4				
		0…9	0…9		Sequential numbers 00...99
				0	Base version
				1…9	Versions

Additionally the ventilation module K9203A is available as an option

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15.2 Description

Planar4-System with assemblies type ** ***
The HIMA Planar4 System represents a modular electronic system featuring Euro modules for designing hard-wired safety-related control and monitoring systems. It operates with a system voltage of 24 V DC. A list of all available modules and power supplies and accessories can be seen in the user manual.

Detail of Change:

- Standard update to IEC 60079-0 Ed. 7, IEC 60079-7 Ed. 5.1, IEC 60079-15 Ed. 5
- Change of marking code due to standard update
- Hardware change of module K9203A
- Modules 90902 and 90912 were deleted due to end of life

15.3 Technical Data

Rated voltage 20.4 … 28.8 V
Ambient temperature range -25 °C ≤ Ta ≤ +70 °C
The relay modules have a switching voltage of up to 250V:

Module		Inputs		Output			
Type	Functions per module	1-signal	with pre-logic	Fuse	Fuse with monitoring	Switching voltage	SIL
32 100	2	●	●		●	24 VDC, 24 VAC	4
32 101	2	●	●		●	48/60 VDC, 60 VAC	4
32 102	2	●	●		●	110 VDC, 127 VAC	4
32 103	2	●	●		●	220 VDC, 230 VAC	4
32 110	4	●	●	●		≤ 250 VDC / VAC	2

(16) **Test-Report No.** 557/Ex7554.01/14

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