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16-channel analog module with a screw connection and two 40-pos. system connections. Suitable for the Yokogawa AA1543 card.

Product Features

For AAI 543 analog module



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	275.6 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Width	108 mm
Height	126 mm
Depth	68 mm

Ambient conditions

Ambient temperature (operation)	-20 °C 50 °C
Ambient temperature (storage/transport)	-20 °C 70 °C

General

Nominal voltage U _N	24 V DC ±10 %
Max. current carrying capacity per branch	100 mA
Number of positions	40
Status display	No



Technical data

General

Test voltage	500 V (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Standards/regulations	DIN EN 50178
Standards/specifications	DIN EN 50178
Pollution degree	2
Surge voltage category	

Connection data for connection 1

Connection name	Field level
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3

Connection data for connection 2

Connection name	Control system level
Number of connections	2
Connection method	Yokogawa KS-compatible
Number of positions	40

Supported controller

Controller	YOKOGAWA CENTUM CS3000R3
- suitable I/O card	AAI543
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFAI543

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313



Classifications

eCl@ss

eCl@ss 6.0	27242608
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	39121421

Drawings



Dimensioned drawing



Circuit diagram

		1		1 1		
Field	X10	·	X3		X1A	
	1A O	1		40	-0 40	OUT1
i	1B O		06	0	+ 	OUT1
+					+ i	
i	2A O I I			38	+-O 381	OUT2
i	2B O			-0	-0 37	OUT2
i	3A O	·	; •	36		оитз
i i		1			1 1	
	3B O + +			-O ₃₅	-O 35	OUT3
	4A O I I	1		-0	L-O 34	OUT4
	4B O		<u> </u>	-		OUT4
+				33	-0 33 1 1	
1	5A ()	1	0 10	-O	+-O 32 	OUT5
1	5B O				 +O 31	OUT5
 	6A O	· 		31	<u>+</u> – – <u>+</u>	
		1	L_0 11	30		OUT6
1	6B O I I		1	-O	+O 29	OUT6
+	7A O		-!! 		+ +-0 28	ОUТ7
			0 12		i i	
	7B O			27	LO 27	OUT7
	8A ()			-0-		OUT8
	8B O		O 13			оита
į			!	25	1	
		1	0 16	024	0 24	OUT9
	9В О					OUT9
+	10A O			23	+ i	
i			L0 17	22		OUT10
i	10B O			-0	+O 21	OUT1
i	11A O	·		-0-20	0 20	OUT1
i			0 18		1 1	
l	11B O			0	+ I	
	12A O	1	•	-0	-0 18	OUT1:
	12B O		└───O 19		I I	OUT1:
+	·	+		-0-17	i	
	13A O I I		0 20	0		OUT1:
	13B O I I			-0	 +O 15	OUT1:
<u> </u>	14A O				1 1 40 14	
	- I I		0 21	14		OUT14
	14B O		1	0	0 13	OUT1
+	15A O	+		0	+ +-0 12	OUT1
			22		i	
	15B O			-0_11		
	16A ()			-0-10	010	OUT1
	16B O		0 23			OUT1
ļ				-0 <u>-</u> 9	+!	
				1	0 ¹	
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