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16-channel analog module with a screw connection and a fuse for each signal path (5 x 20 mm) with failure indication (LED). The voltage supply and the 40-pos. system connection are designed redundantly. Suitable for the Yokogawa AAI141 and AAI143 cards.

#### **Product Features**

- For AAI 141 and AAI 143 analog modules (module operation in 4-wire mode)
- Transfer of 16 channels with separate positive and negative connections
- ☑ 16 plug-in fuses (IEC 127-2, 5 x 20, 0.1 A) per positive supply and LED status indicator
- Redundant voltage supply (IEC 127-2, 5 x 20, 2 A fuse)



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	749.8 GRM
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Width	214 mm
Height	126 mm
Depth	81 mm

#### Ambient conditions

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

#### General

Nominal voltage U <sub>N</sub>	24 V DC ±10 %				
Max. current carrying capacity per branch	100 mA				
Max. total current of all branches	2 A (P1+, P2+)				



## Technical data

### General

Number of positions	40				
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 <sup>2</sup>					
Conductor cross section solid max.	4 mm <sup>2</sup>					
Conductor cross section stranded min.	0.2 mm <sup>2</sup>					
Conductor cross section stranded max.	2.5 mm <sup>2</sup>					
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	AAI141				
	AAI143				
	AAI135				
Controller	YOKOGAWA STARDOM				
- suitable I/O card	NFAI141				
	NFAI143				
	NFAI135				



## Classifications

## eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601

#### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

### UNSPSC

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

## Drawings







#### Circuit diagram

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