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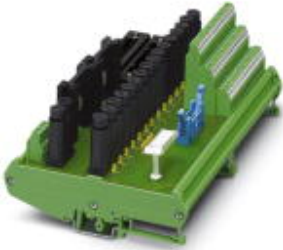
Passive module - FLKMS-KS40/SI/AI16/YCS - 2314273

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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_N	24 V DC ±10 %
Max. current carrying capacity per branch	100 mA
Max. total current of all branches	2 A (P1+, P2+)

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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	III

Connection data for connection 1

Connection name	Field level
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
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

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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

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Dimensioned drawing

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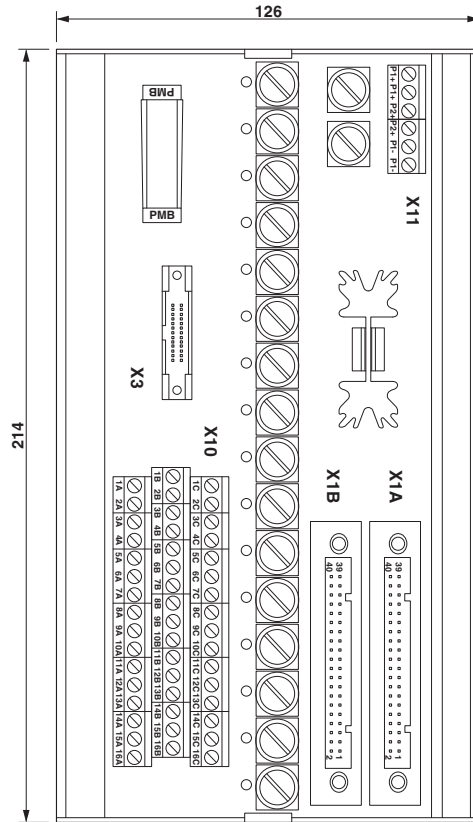
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Circuit diagram