


Passive module - FLKM-2KS40/PMT/ST/YCS - 2321981

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1:1 interface module for Yokogawa AAI 141, AAI 143, AAV 141, AAV 142, AAI 543, AAV 542, AAI 841 and AAB 841 analog I/O modules. Redundant system connection, screw connections with knife disconnection on the field side.

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 450270
GTIN	4046356450270

Technical data

Dimensions

Width	180 mm
Height	111 mm
Depth	57 mm

Ambient conditions

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

General

Max. perm. operating voltage	24 V DC ±10 %
Max. perm. current (per branch)	100 mA
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data for connection 1

Connection name	Field level
Connection method	Screw connection with disconnect knife
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²

Passive module - FLKM-2KS40/PMT/ST/YCS - 2321981

Technical data

Connection data for connection 1

Conductor cross section AWG	24 ... 14
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Connection data for connection 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Torque	0.5 Nm
Number of connections	2
Number of positions	40
Note	Usable system cables: Phoenix Contact YUC40, Yokogawa KS1

Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	AAI543
	AAI141
	AAI143
	AAI841
	AAV141
	AAV142
	AAB841
	AAV542
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFAI141
	NFAI143
	NFAI543
	NFAI841
	NFAB841
	NFAV542
	NFAV141
	NFAV142

Standards and Regulations

Standards/regulations	DIN EN 50178
Rated surge voltage	0.8 kV
Degree of pollution	2
Overvoltage category	III

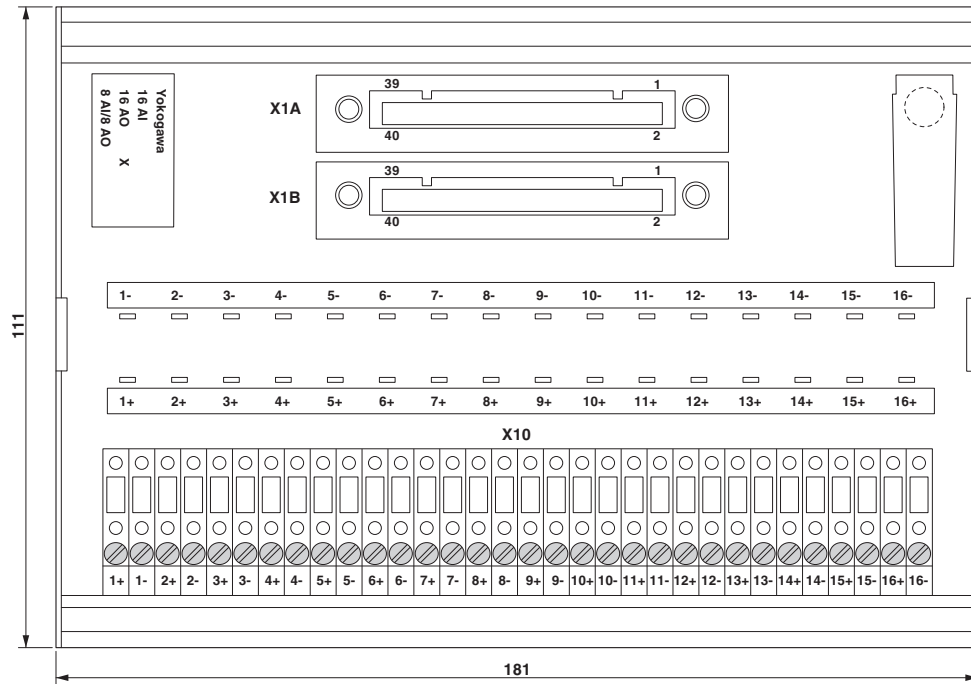
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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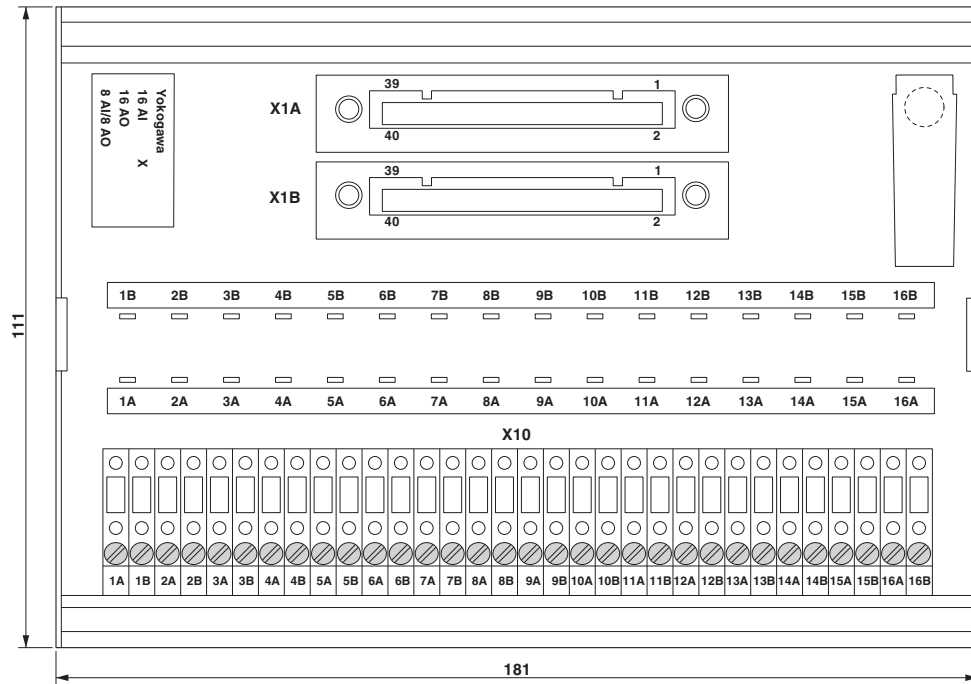
Dimensional drawing



Connection to AAV 141 / AAV 142 / AAV 542 / AAI 543

Passive module - FLKM-2KS40/PMT/ST/YCS - 2321981

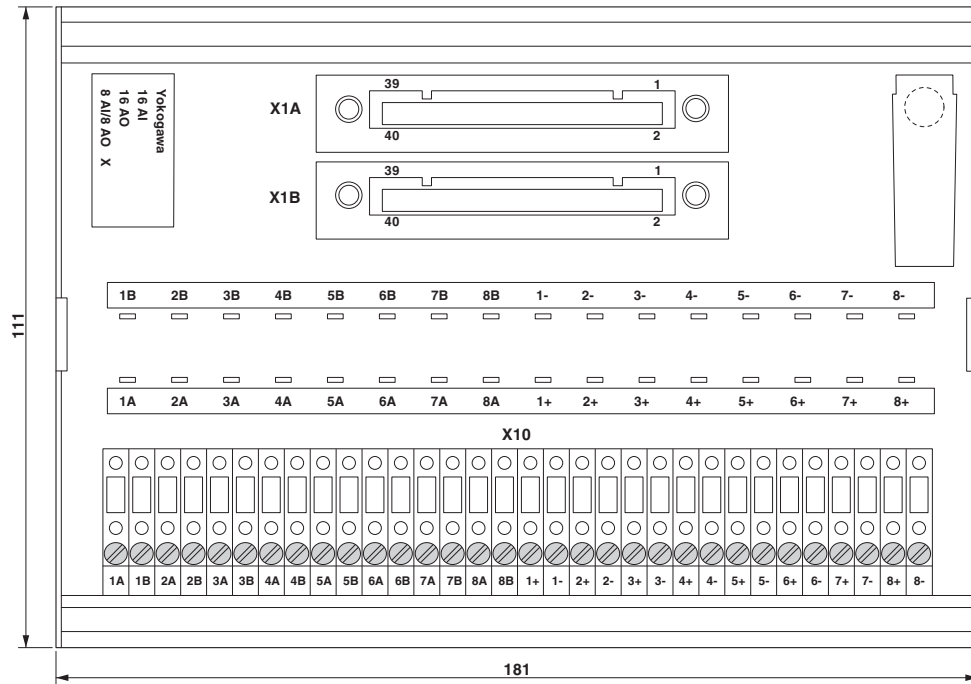
Dimensional drawing



Connection to AAI 141 / AAI 143

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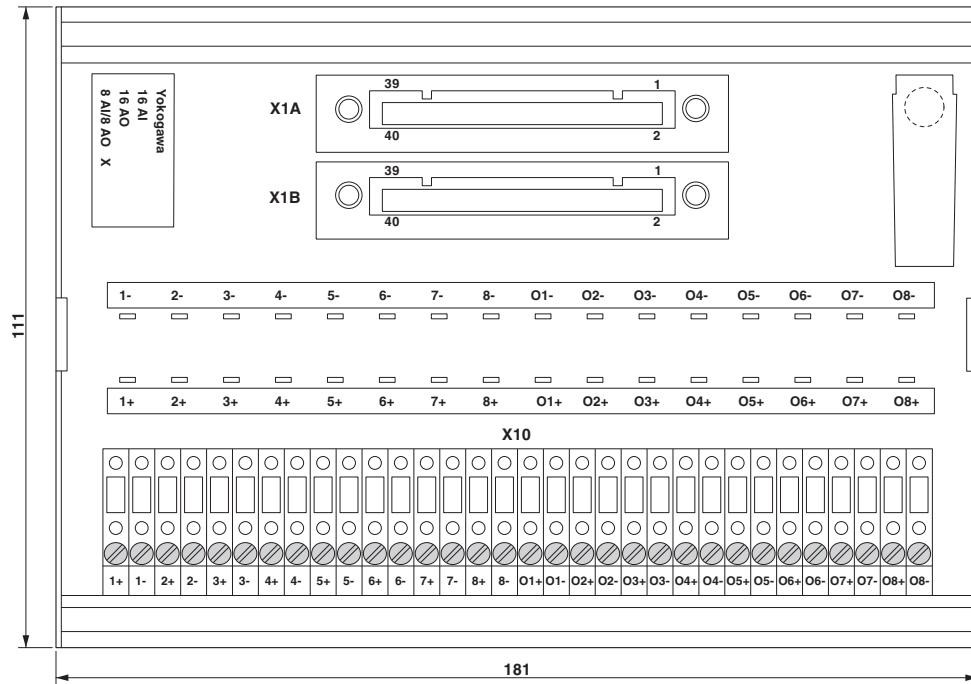
Dimensional drawing



Connection to AAI 841

Passive module - FLKM-2KS40/PMT/ST/YCS - 2321981

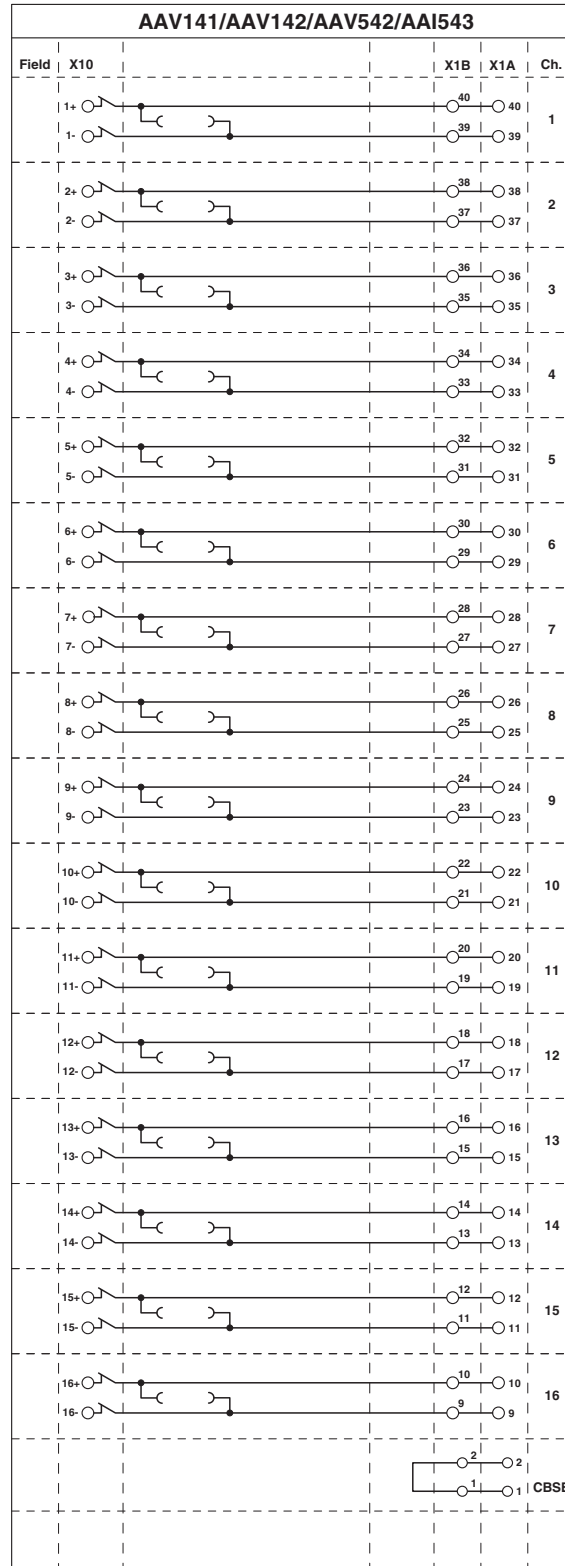
Dimensional drawing



Connection to AAB 841

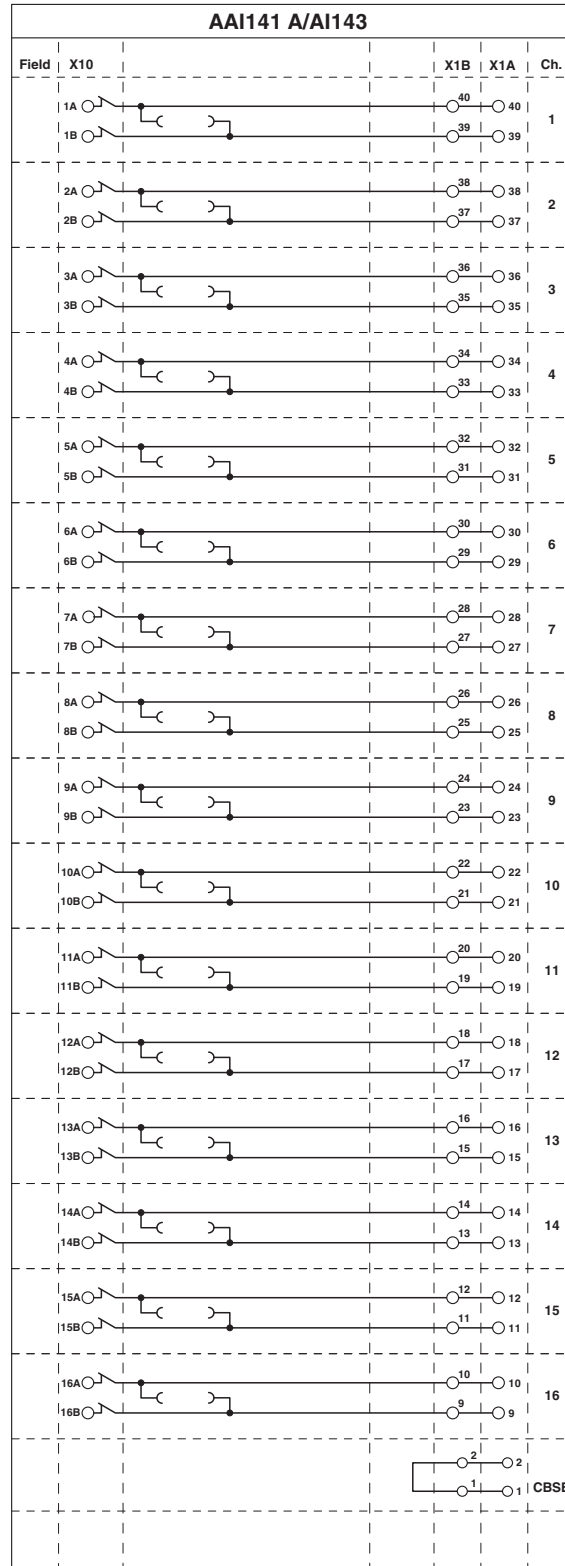
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Circuit diagram



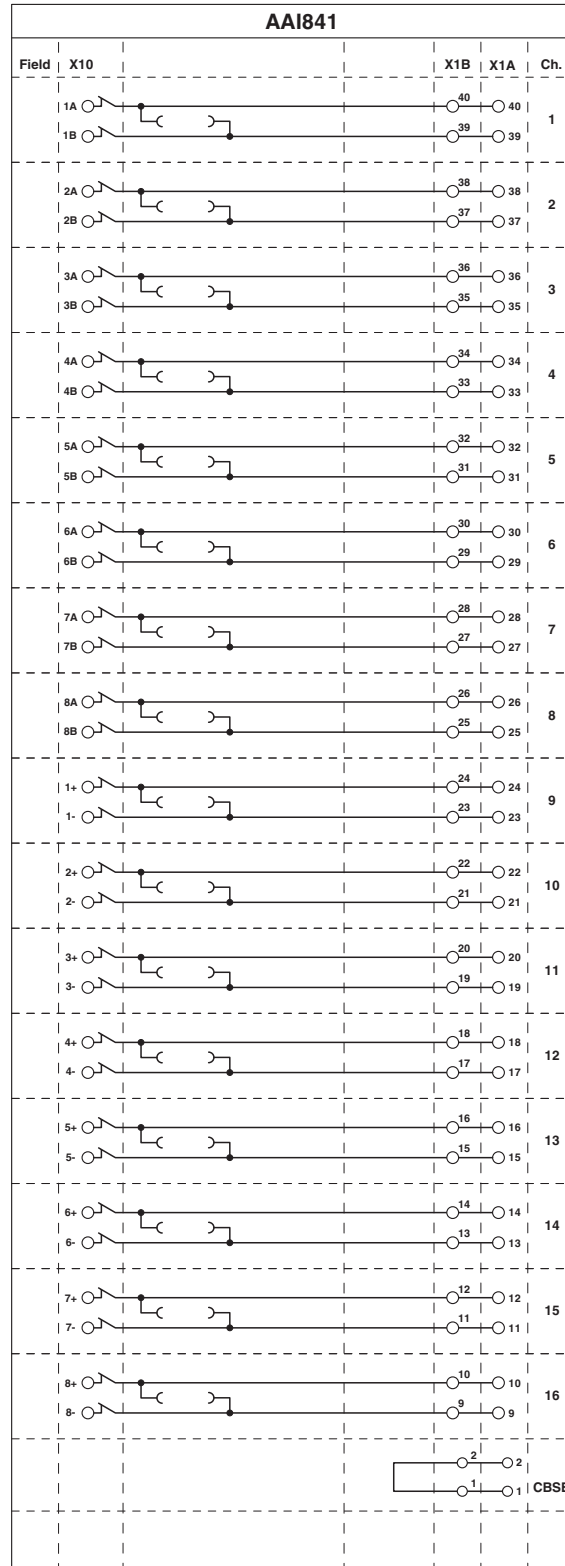
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Circuit diagram



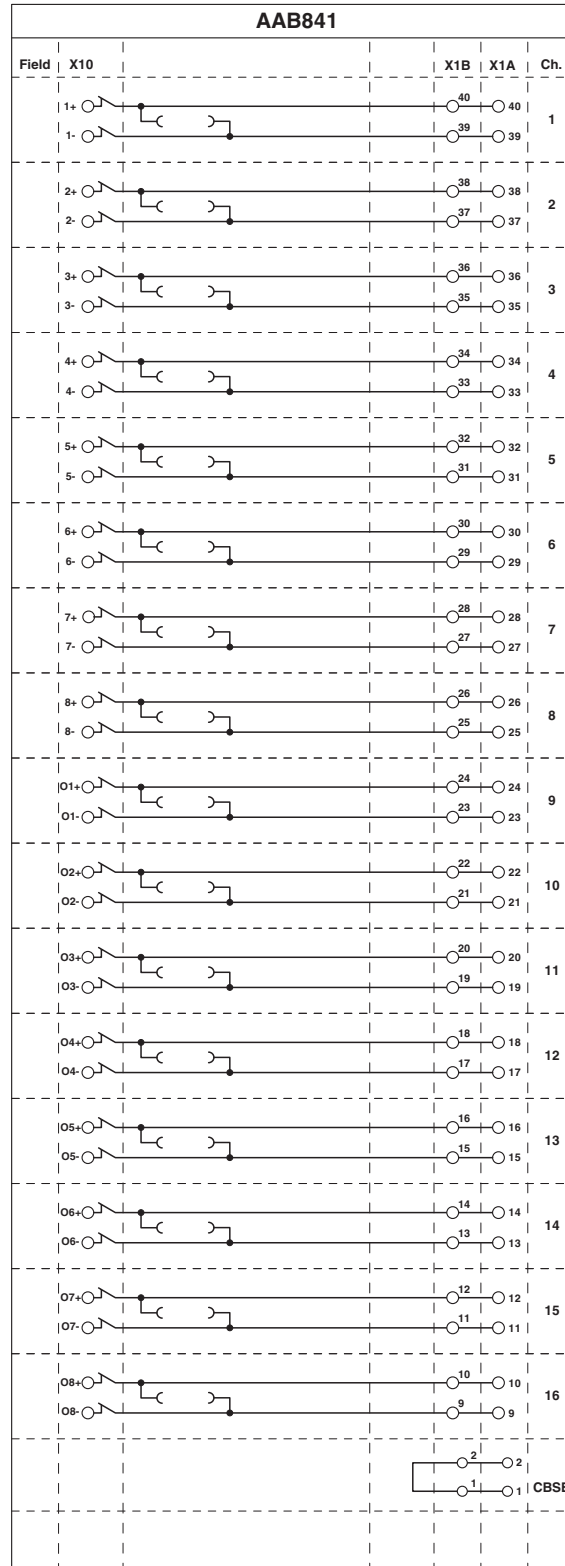
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Circuit diagram



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Circuit diagram



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Approvals


Approvals

Approvals

CSA / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	LR 13631
Nominal voltage UN		24 V	
Nominal current IN		0.1 A	

EAC		RU C- DE.A*30.B.01742
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