

FLKM-2KS40/PMT/SI/Z/YCS - Passive module



2321936

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VARIOFACE interface module for Yokogawa I/O AAI135 and AAI835 modules.



Commercial data

Item number	2321936
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK218N
GTIN	4046356418485
Weight per piece (including packing)	221.133 g
Weight per piece (excluding packing)	226.1 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
No. of channels	8
Operating mode	100% operating factor

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (DC)	≤ 30 V DC
Fuse	0.05 A TR5 (slow-blow) (F1 ... F16)
Current (per branch)	≤ 0.05 A (T _U = 23 °C)

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 μs)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI135
	AAI835

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI135
	NFAI835

Connection data

Connection 1 (control level)

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	40
Note	Usable system cables: Phoenix Contact YUC40, Yokogawa KS1
Tightening torque	0.5 Nm
Pitch	2.54 mm

Connection 2 (field level)

Connection method	Push-in spring connection
Stripping length	10 mm
Number of positions	16
Conductor cross-section rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)

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	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 16
Pitch	5.08 mm

Connection 3 (field level)

Connection method	PCB terminal block
Type	PCB isolating plugs
Number of connections	1
Number of positions	16
Pitch	5.08 mm

Signaling

Status display present	no
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Dimensions

Item dimensions

Width	91.6 mm
Height	111.8 mm
Depth	55.4 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≤ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UKCA

Certificate	UKCA-compliant
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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning
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instructions of the respective third-party manufacturer must also be met.

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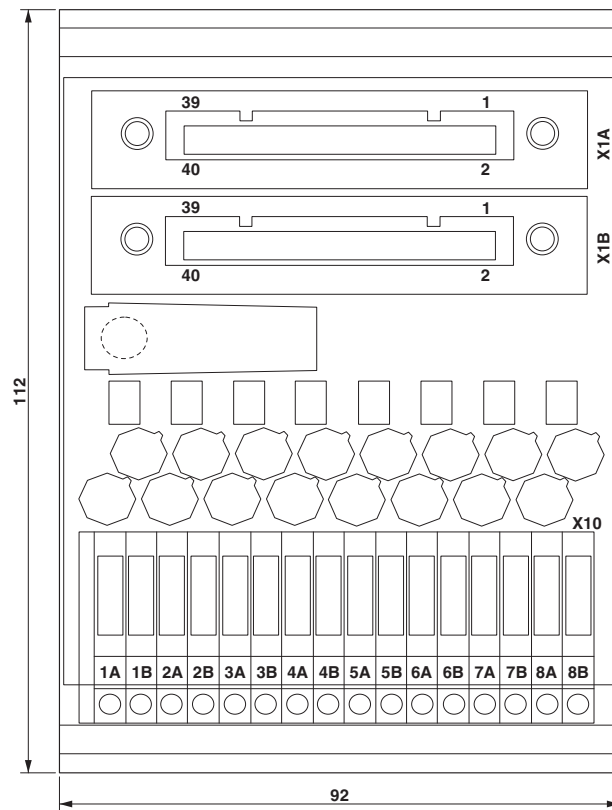


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Drawings

Dimensional drawing



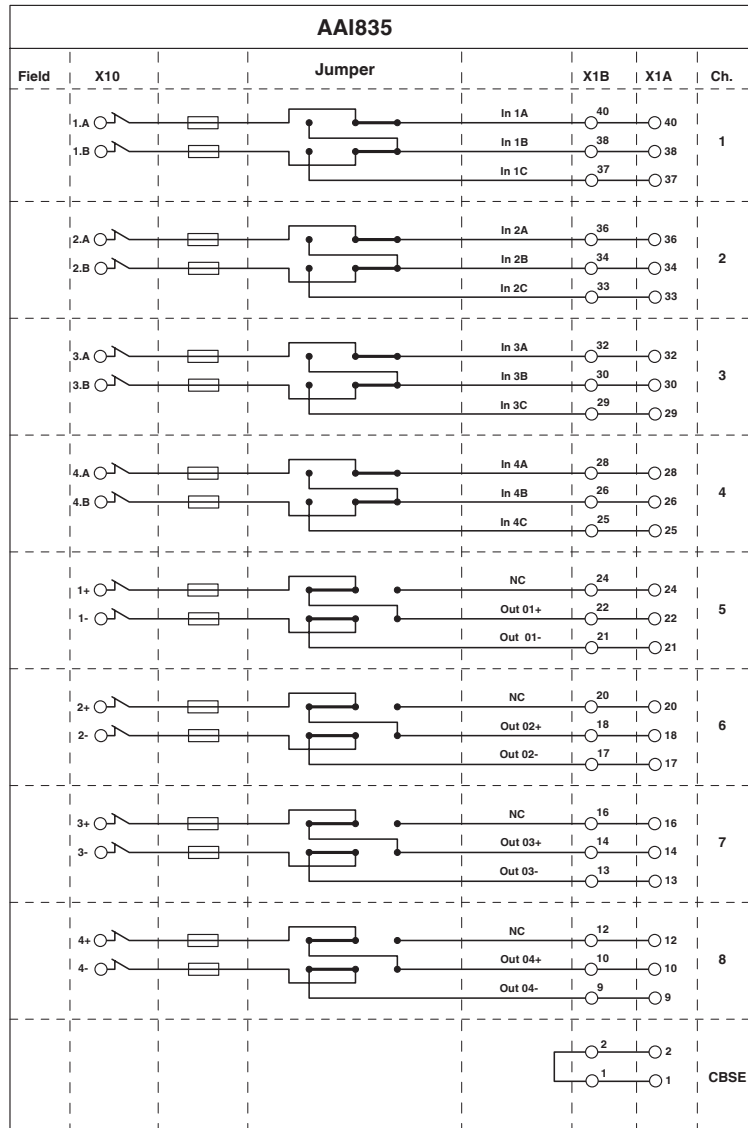
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Circuit diagram



Connection to AAI 835

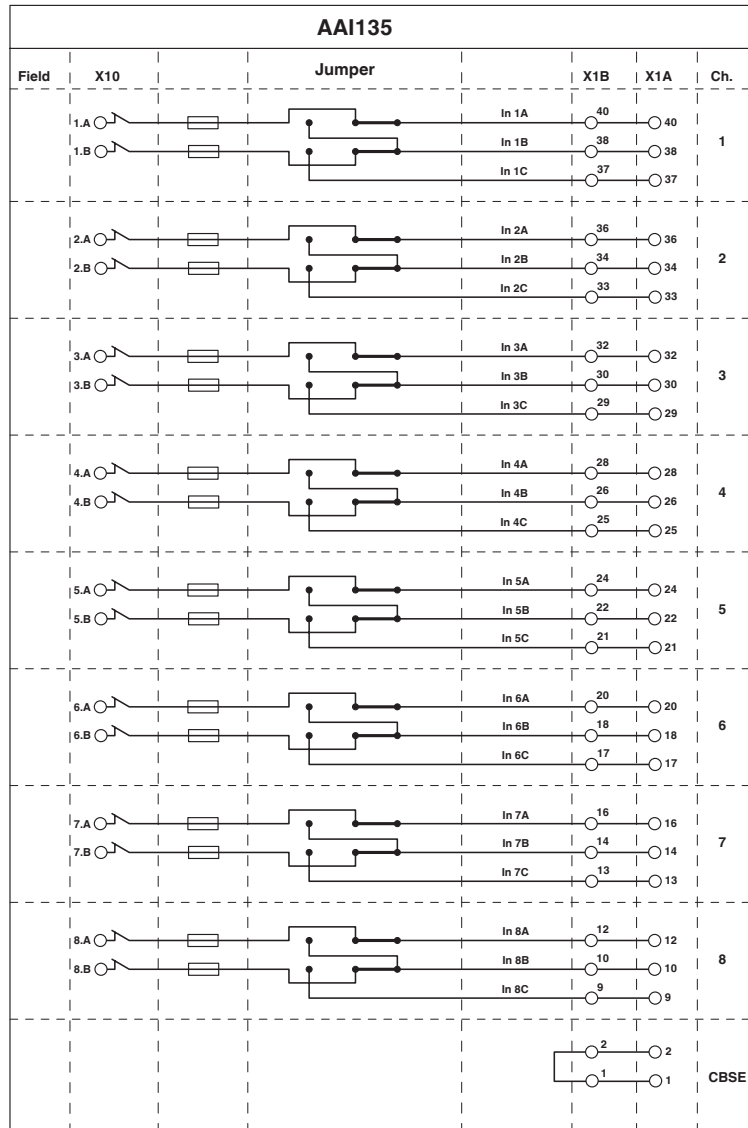
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Circuit diagram



Connection to AAI 135

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	38c74b5e-b845-4b24-b535-eea359306329

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