

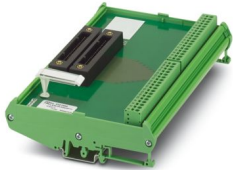
FLKM-2KS40/SPT/CS/C-L - Passive module



2321855

<https://www.phoenixcontact.com/us/products/2321855>

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1:1 interface module for Yokogawa AAV 141, AAV 142, AAT 141, AAI 141, AAI 143 analog I/O modules, AAV 542, AAI 543, AAI 841, AAB 841, AAI 135, AAP 135, AAI 835 and AAR 181. Redundant system connection, spring-cage connection on the field side.

Commercial data

Item number	2321855
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK218N
GTIN	4046356350648
Weight per piece (including packing)	337 g
Weight per piece (excluding packing)	337 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
	12
	16
	4
Operating mode	100% operating factor

Data management status

Article revision	06
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (DC)	≤ 50 V DC
Current (per branch)	≤ 1 A

Air clearances and creepage distances

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

Supported controller YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI543
	AAI141
	AAI143
	AAI835
	AAI841
	AAI135
	AAR181
	AAT141
	AAV141
	AAV142
	AAB841
	AAV542

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFAI141
	NFAI43
	NFAI543
	NFAI135

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	NFAP135
	NFAV141
	NFAV142
	NFAV542
	NFAB841
	NFAI841
	NFAI835

Connection data

Connection 1 (control level)

Connection method	Yokogawa KS-compatible
Number of connections	1
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	36
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ² 0.25 mm ² ... 2.5 mm ² (Ferrule without plastic sleeve) 0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 12
Pitch	5 mm

Signaling

Status display present	No
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Dimensions

Item dimensions

Width	194 mm
Height	125.4 mm
Depth	49.5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
Degree of protection (Installation location)	≤ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

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Altitude	≤ 2000 m
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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 instructions of the respective third-party manufacturer must also be met.
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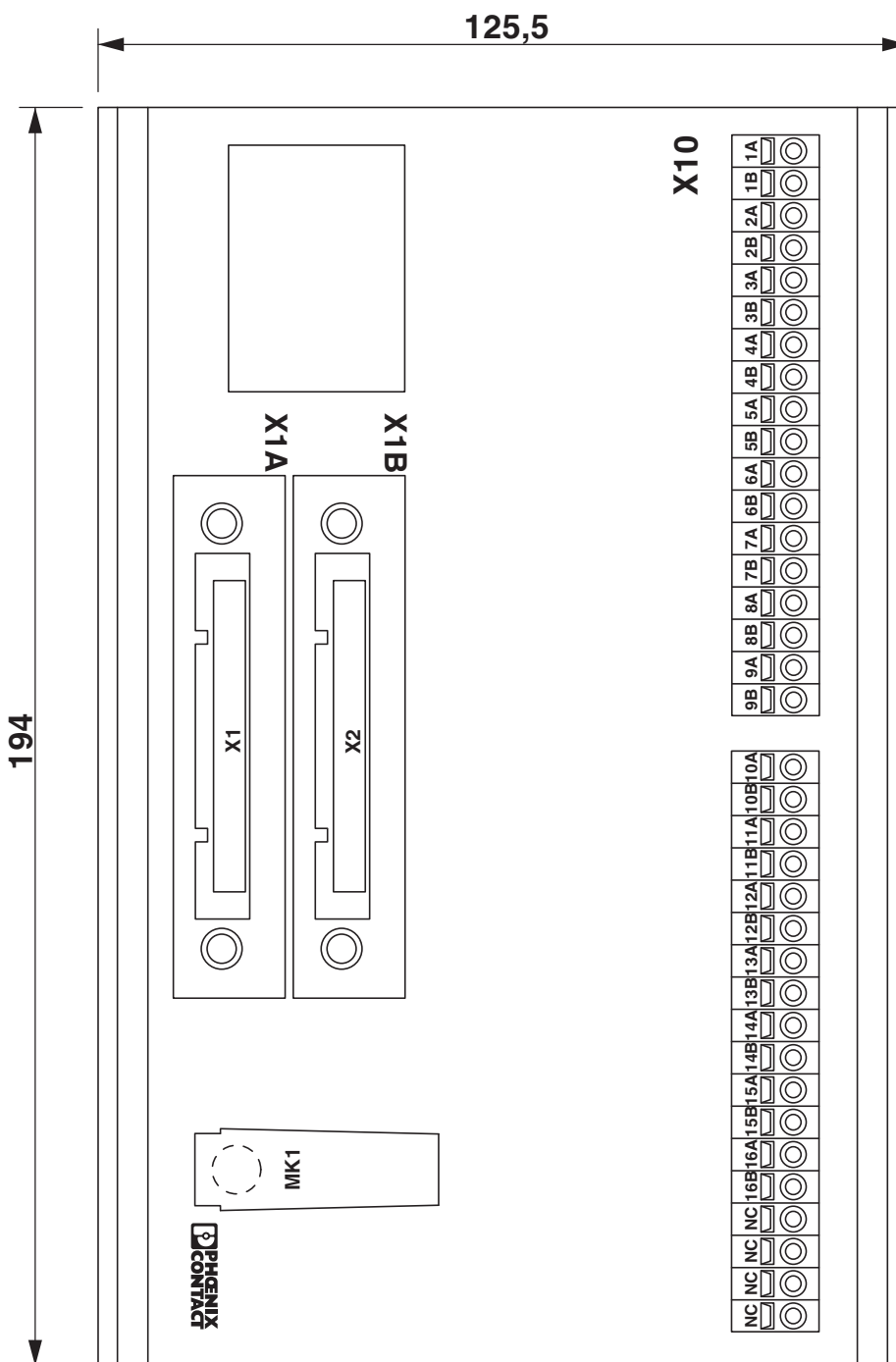


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Drawings

Dimensional drawing



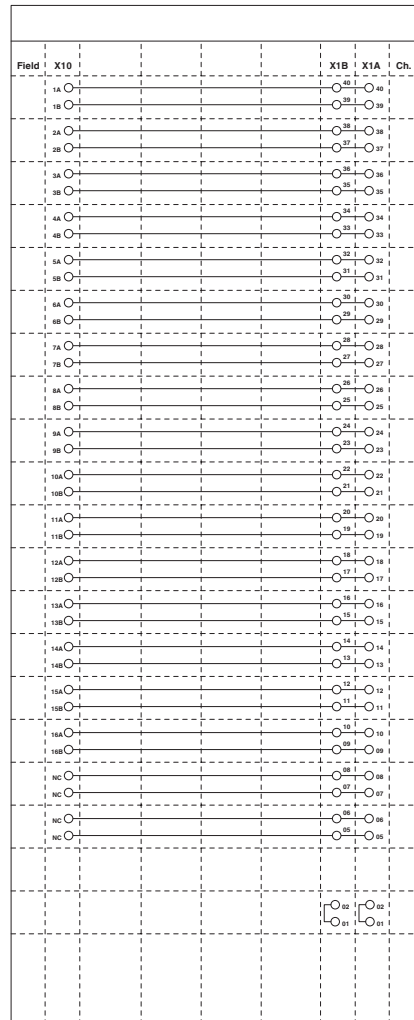
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Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 9.0	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, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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