

# FLKM 50/32M/IN/LA/DV - Passive module



2304856

<https://www.phoenixcontact.com/us/products/2304856>

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32-channel module with LED and 2-conductor connection; common negative potential (for Delta V controller input cards)

## Your advantages

- These system-specific interface modules for DeltaV modules are used in combination with FLK 50/2FLK20/EZ-DR/.../DV system cables
- Can be used for 32-channel input modules
- LED status indicator per channel
- 2-wire connection with separate negative terminal block per channel (dry contact)

## Commercial data

Item number	2304856
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK21A2
Catalog page	Page 478 (C-5-2019)
GTIN	4017918981747
Weight per piece (including packing)	373 g
Weight per piece (excluding packing)	285.32 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	50
No. of channels	32

### Insulation characteristics

Insulation	Functional insulation
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### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage range	19.2 V DC ... 26.4 V DC
Current (per branch)	≤ 1 A
Current (Terminal block/terminal block)	≤ 5 A

### Air clearances and creepage distances

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

### Supported controller EMERSON DeltaV

Suitable I/O card	VE4001S2T2B5
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### Output data

Nominal supply voltage	24 V DC ±10 %
Continuous load current	1 A

### Connection data

#### Connection 1 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 2 (field level)

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

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Number of positions	64
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

## Connection 3 (supply)

Connection method	Screw connection
Number of connections	1
Number of positions	2
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

## Signaling

Status display	Yellow LED
Status display present	Yes

## Dimensions

### Item dimensions

Width	168.3 mm
Height	89.6 mm
Depth	65.8 mm

## Material specifications

Color	gray (RAL 7042)
Housing insulation material	PVC

## 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

General	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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## 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

REACH SVHC	Hexahydromethylphthalic anhydride
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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