

# FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

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VARIOFACE sensor module, for connecting 32 p-n-p sensors, with LED



## Your advantages

- With LED as an option
- For 32 channels
- Byte-by-byte labeling
- Positive and negative connection per signal

## Commercial data

Item number	2284510
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2161
Catalog page	Page 522 (C-5-2019)
GTIN	4017918055684
Weight per piece (including packing)	447 g
Weight per piece (excluding packing)	411.92 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 (Voltage supply)	≤ 2 A

### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

### Supported controller SIEMENS S7-1500

Suitable I/O card	6ES7521-1BL00-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0

### Supported controller SIEMENS S7-400

Suitable I/O card	6ES7421-1BL01-0AA0
	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0

### Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-OB32

### Supported controller ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 IBN
	1771 OBN

### Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
	TC-ODD 321

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## Supported controller MITSUBISHI MELSEC L

Suitable I/O card	LX41C4
	LX42C4
	LY41PT1P
	LY42PT1P

## Supported controller MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P
	QY82P
	QX71
	QX72
	QX82
	QX82-S1

## Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DDO 353

## Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BL00-0AA0
	6ES7322-1BL00-0AA0
	6ES7323-1BL00-0AA0
	CPU 313C
	CPU 313C-2PtP

## Supported controller GE-FANUC RX3i

Suitable I/O card	IC694MDL754
	IC694MDL660

## 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
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Stripping length	8 mm
Screw thread	M3
Number of positions	100
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
Operating voltage display	Green LED

## Dimensions

### Item dimensions

Width	179.5 mm
Height	90 mm
Depth	79 mm

## Material specifications

Color	gray (RAL 7042)
Housing insulation material	Polyamide 6 green

## 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

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## 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-13.0	27141152
ECLASS-12.0	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 = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)