

# FLKM 14/8M/SI/PLC - Passive module



2294487

<https://www.phoenixcontact.com/us/products/2294487>

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VARIOFACE module, for 8 channels, each with an additional terminal block and fuse per signal, (common minus potential)

## Your advantages

- Plug-in fuse (IEC 127-3, 2AF) per voltage supply (F2)
- Byte-by-byte labeling
- Negative connection per signal
- Plug-in fuse (IEC 127-3, 1AF) per signal path (F1)
- Can be used for digital I/O modules

## Commercial data

Item number	2294487
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2162
Catalog page	Page 520 (C-5-2019)
GTIN	4017918148966
Weight per piece (including packing)	147.5 g
Weight per piece (excluding packing)	130.6 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	14
No. of channels	8

### 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 (DC)	≤ 60 V DC
Fuse	1 A TR5 (fast-blow) (F1 ... F8)
	2 A TR5 (fast-blow) (F9)
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	6ES7521-1BH00-0AB0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0
	6ES7521-1BP00-0AA0 (Sinking mode)
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7522-1BP00-0AA0
	6ES7522-1BP50-0AA0
	6ES7523-1BP50-0AA0 (DI32 (Sinking mode)/DQ32)

### Supported controller ABB S800 I/O

Suitable I/O card	DO810
	DO840

### Supported controller ALLEN-BRADLEY ControlLogix

	1756-IB32
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Suitable I/O card	1756-OB32
	1756-IN16
	1756-IB16
	1756-IC16
	1756-OB16E

Supported controller HONEYWELL Experion PKS C200

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

Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

Supported controller MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P
	QX41
	QX41-S1
	QX42
	QX42-S1
	QX71
	QX72
	QY41P
	QY42P
	QY71
	QH42P
	QX82
	QX82-S1
	QY82P

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PiP
	6ES7321-1BH02-0AA0
	6ES7321-1BL00-0AA0
	6ES7322-1BH01-0AA0
	6ES7322-1BL00-0AA0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
	6ES7321-1BH10-0AA0
	6ES7322-1BH10-0AA0
	CPU 313C

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	CPU 313C-2PtP
Supported controller GE-FANUC RX3i	
Suitable I/O card	IC694MDL754
	IC694MDL660
Supported controller MITSUBISHI MELSEC L	
Suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P
	LY42PT1P

## 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	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### Connection 2 (field level)

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of positions	18
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 present	No
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## Dimensions

### Item dimensions

Width	55.8 mm
Height	89.6 mm
Depth	65.9 mm

## Material specifications

Color	gray (RAL 7042)
Housing insulation material	PVC

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## 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-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	Lead 7439-92-1
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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