

# FLKM 50/PLC - Passive module

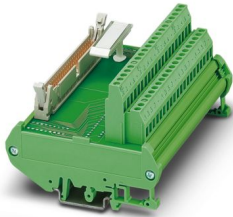


2284578

<https://www.phoenixcontact.com/us/products/2284578>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

VARIOFACE interface module for 32 channels



## Commercial data

Item number	2284578
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2181
GTIN	4017918055745
Weight per piece (including packing)	249.4 g
Weight per piece (excluding packing)	237 g
Customs tariff number	85369010
Country of origin	DE

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Technical data

### Product properties

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

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Current (per branch)	≤ 1 A
Current (Voltage supply per byte)	≤ 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 S7-400

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

### Supported controller: MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P

### Supported controller: SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

	DAI 353
	DAI 453
	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

## 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	7 mm
Screw thread	M3
Number of positions	40
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Signaling

Status display present	no
------------------------	----

## Dimensions

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Item dimensions

Width	113 mm
Height	90 mm
Depth	68 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	Polyamide 6.6 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
-------------	----------------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
-----------------------	----------------

## 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.
--------------------	--

# FLKM 50/PLC - Passive module

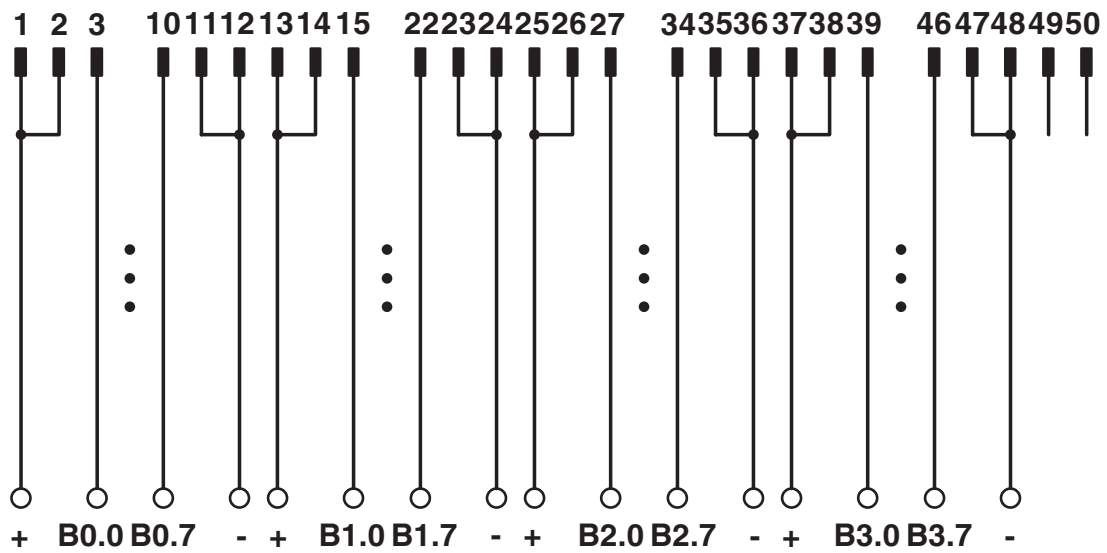


2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Drawings

Circuit diagram



Connection scheme FLKM 50/PLC

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2284578>



**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# FLKM 50/PLC - Passive module



2284578

<https://www.phoenixcontact.com/us/products/2284578>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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