

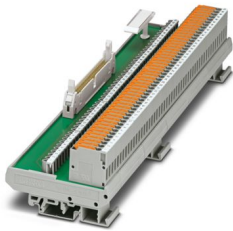
# FLKM 50/KDS3-MT/PPA/AN/PLC - Passive module



2291587

<https://www.phoenixcontact.com/us/products/2291587>

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VARIOFACE termination board for Siemens SIMATIC® S7-400, with marking (1-50), knife-disconnect terminal block, and test pick-off, module width: 259 mm

## Your advantages

- Numerical labeling (1 - 50)
- Specifically for S7-400 (in conjunction with the FLKM 50-PA-S400 (3-48) front adapter, Item No. 2294908)

## Commercial data

Item number	2291587
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2181
GTIN	4017918184636
Weight per piece (including packing)	549 g
Weight per piece (excluding packing)	464.34 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	2
	4
	6
	8
	16

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (DC)	≤ 60 V DC
Current (per branch)	≤ 1 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	6ES7431-0HH0-0AB0
	6ES7431-1KF00-0AB0
	6ES7431-1KF10-0AB0
	6ES7431-1KF20-0AB0
	6ES7431-7KF00-0AB0
	6ES7431-7KF10-0AB0
	6ES7431-7QH00-0AB0
	6ES7432-1HF00-0AB0

### 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)

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Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Number of positions	50
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 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 1.5 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 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> ... 1 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

## Connection 3 (field level)

Connection method	Test socket
Number of positions	50

## Signaling

Status display present	no
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## Dimensions

### Item dimensions

Width	258.4 mm
Height	77 mm
Depth	51.48 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

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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

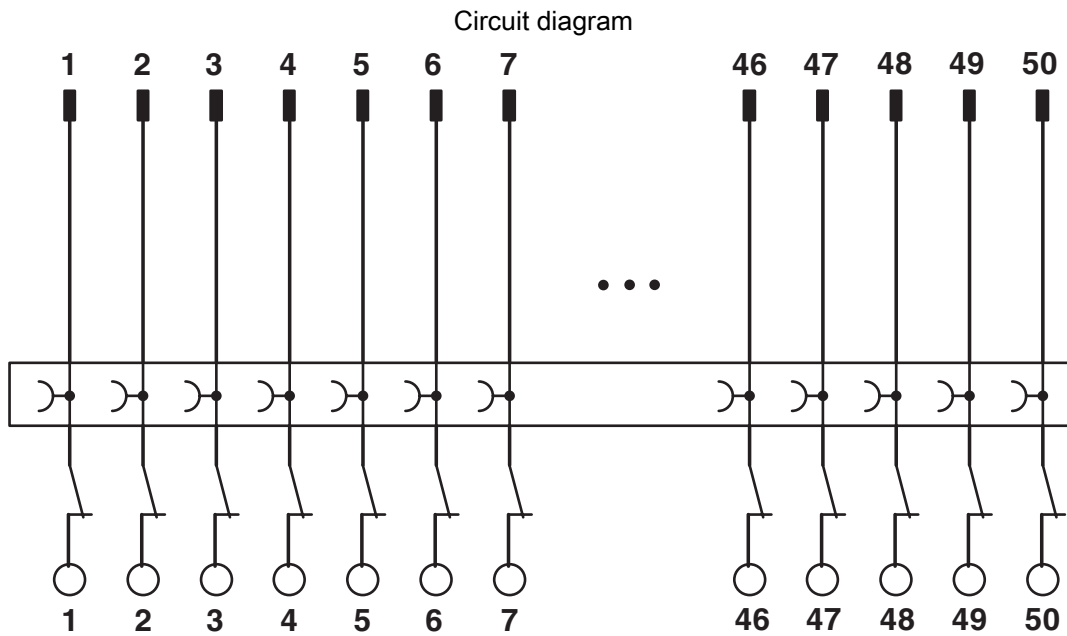
## Notes

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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Drawings



FLKM 50/KDS3-MT/PPA/AN/PLC connection scheme

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2291587>

 <b>UL Listed</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	24 V	1 A	-	-

 <b>cUL Listed</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	24 V	1 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	a1b5009d-48b6-4fae-8bd5-b1a7d0055b65

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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)