

# FLKM 16-PA- 331-1KF/I/MINI-MCR - Front adapter



2318237

<https://www.phoenixcontact.com/us/products/2318237>

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 front adapter, for SIMATIC® S7-300, only in connection with MINI MCR-2-V8-FLK 16. Connectable card: 331-1KF0...-0AB01.

## Commercial data

Item number	2318237
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK231S
GTIN	4046356301664
Weight per piece (including packing)	57.6 g
Weight per piece (excluding packing)	32 g
Customs tariff number	85369010
Country of origin	DE

2318237

<https://www.phoenixcontact.com/us/products/2318237>

## Technical data

### Product properties

Product type	Front adapter
Product family	VARIOFACE

#### 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)	≤ 50 mA

#### Air clearances and creepage distances

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

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

Suitable I/O card	6ES7331-1KF0x-0AB0
-------------------	--------------------

### Connection data

#### Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	40

#### Connection 2 (field level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 3 (supply)

Connection method	Screw connection
Stripping length	6 mm
Number of positions	2
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)

# FLKM 16-PA- 331-1KF/I/MINI-MCR - Front adapter



2318237

<https://www.phoenixcontact.com/us/products/2318237>

	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)	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 0.5 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	26 ... 16
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5 mm

## Dimensions

### Item dimensions

Width	115 mm
Height	21.3 mm
Depth	31.9 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances

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

## Mounting

Mounting type	Plug-in 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.
--------------------	--

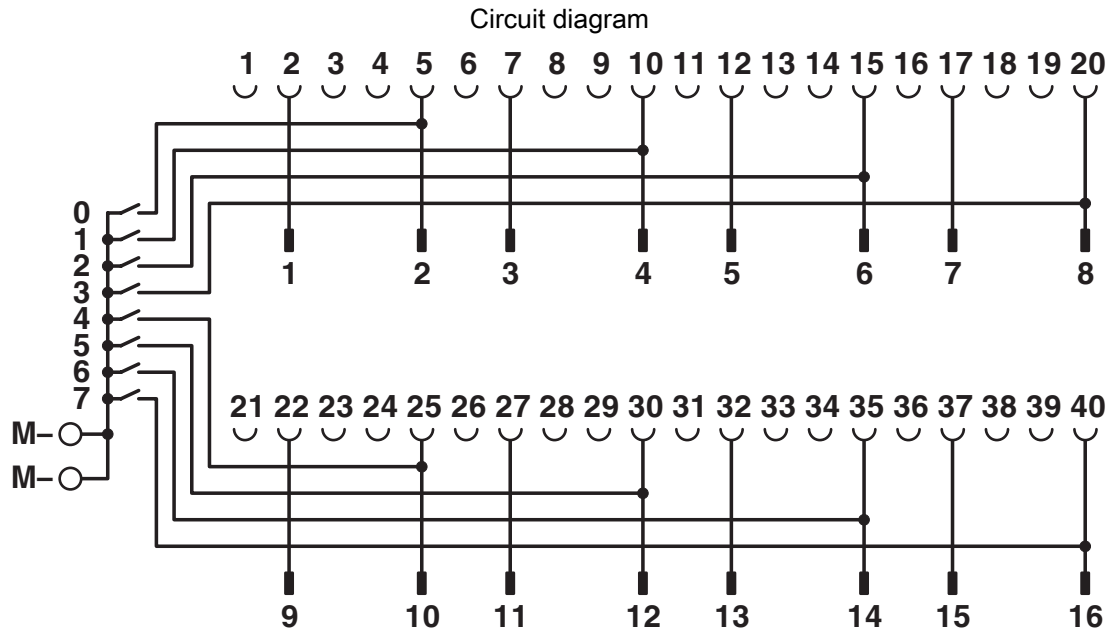
# FLKM 16-PA- 331-1KF/I/MINI-MCR - Front adapter



2318237

<https://www.phoenixcontact.com/us/products/2318237>

## Drawings



Connection scheme FLKM 16-PA-331-1KF/I/MINI-MCR

# FLKM 16-PA- 331-1KF/I/MINI-MCR - Front adapter



2318237

<https://www.phoenixcontact.com/us/products/2318237>

## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

ETIM 9.0	EC002584
----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

2318237

<https://www.phoenixcontact.com/us/products/2318237>

## 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	fa94acbd-84dc-420b-8280-662f23f676f2

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)