

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



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 Siemens SIMATIC® S7-300, 1x 32 channels can be connected

Commercial data

Item number	2294445
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK231S
GTIN	4017918129767
Weight per piece (including packing)	57.1 g
Weight per piece (excluding packing)	30.8 g
Customs tariff number	85369010
Country of origin	DE

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



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
Nominal operating mode	100% operating factor
Current (per branch)	≤ 1 A
Current (Voltage supply via IDC/FLK)	≤ 2 A
Current (Voltage supply via spade connection)	≤ 8 A

Air clearances and creepage distances

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

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 312C
	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BL00-0AA0
	6ES7322-8BH01-0AB0
	6ES7322-1BL00-0AA0
	6ES7322-8BH10-0AB0
	6ES7323-1BL00-0AA0
	6ES7331-1KF01-0AB0
	6ES7331-1KF02-0AB0
	6ES7331-7NF00-0AB0
	6ES7331-7NF10-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7332-5HF00-0AB0
	6ES7350-2AH01-0AE0
	6ES7357-4AH01-0AE0

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



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	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 3 (supply)

Connection method	Spade connection
Number of positions	4
Note	2,8 x 0,8

Dimensions

Item dimensions

Width	115.01 mm
Height	21.3 mm
Depth	29.09 mm

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

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-
--------------------	--

FLKM 50-PA-S300 - Front adapter



2294445

<https://www.phoenixcontact.com/us/products/2294445>

	party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
Notes on operation	To prevent short circuits, all wire bridges on the following I/O cards are to be separated. There may not be any voltage supply at the front adapter. 6ES7 331-1KF01-0AB0 6ES7 331-1KF02-0AB0 6ES7 331-7NF00-0AB0 6ES7 331-7NF10-0AB0 6ES7 331-7PF01-0AB0 6ES7 331-7PF11-0AB0 6ES7 332-5HF00-0AB0 6ES7 350-2AH01-0AE0 6ES7 357-4AH01-0AE0
Notes on operation	<u>Digital I/O cards</u> Thanks to the existing wire bridge upon delivery, the input and output bytes are non-isolated.

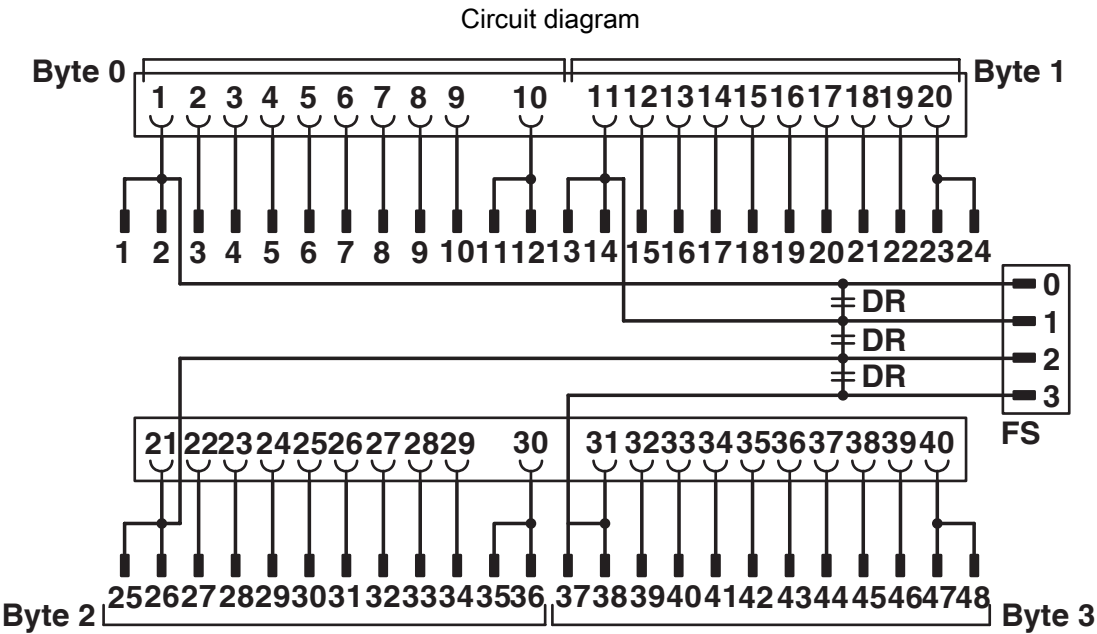
FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



Drawings



Connection scheme FLKM 50-PA-S300

FLKM 50-PA-S300 - Front adapter



2294445

<https://www.phoenixcontact.com/us/products/2294445>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2294445>

	cUL Recognized Approval ID: E238705			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
	keine			Cross section mm^2
		125 V	1 A	-

	UL Recognized Approval ID: E238705			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
	keine			Cross section mm^2
		125 V	1 A	-

FLKM 50-PA-S300 - Front adapter



2294445

<https://www.phoenixcontact.com/us/products/2294445>

Classifications

ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

ETIM

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

UNSPSC

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

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



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%

FLKM 50-PA-S300 - Front adapter



2294445

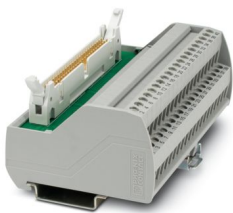
<https://www.phoenixcontact.com/us/products/2294445>

Accessories

VIP-2/SC/FLK50 (1-40) /S7 - Passive module

2315243

<https://www.phoenixcontact.com/us/products/2315243>



VARIOFACE interface module for Siemens SIMATIC® S7-300, with SIMATIC®-specific labeling (1 - 40), with screw connection, module width: 106.1 mm

VIP-2/PT/FLK50 (1-40) /S7 - Passive module

2903804

<https://www.phoenixcontact.com/us/products/2903804>



VARIOFACE interface module for Siemens SIMATIC® S7-300, with SIMATIC®-specific labeling (1 - 40), with push-in connection, module width: 107.9 mm

FLKM 50-PA-S300 - Front adapter

2294445

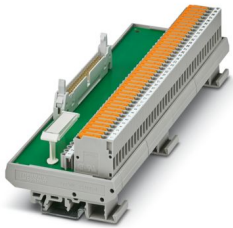
<https://www.phoenixcontact.com/us/products/2294445>



FLKM 50/KDS3-MT/PPA/S7-300 - Passive module

2304490

<https://www.phoenixcontact.com/us/products/2304490>



VARIOFACE termination board for Siemens SIMATIC® S7-300, with SIMATIC®-specific marking (1-40), knife-disconnect terminal block, and test pick-off, module width: 214 mm

FLK 50/EZ-DR/ 50/KONFEK - Cable

2289065

<https://www.phoenixcontact.com/us/products/2289065>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

FLKM 50-PA-S300 - Front adapter

2294445

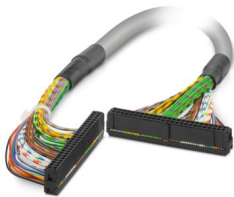
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 100/KONFEK - Cable

2289078

<https://www.phoenixcontact.com/us/products/2289078>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

FLK 50/EZ-DR/ 150/KONFEK - Cable

2289081

<https://www.phoenixcontact.com/us/products/2289081>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

FLKM 50-PA-S300 - Front adapter

2294445

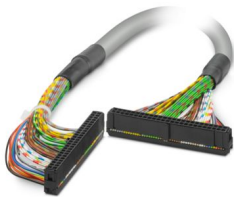
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 200/KONFEK - Cable

2289094

<https://www.phoenixcontact.com/us/products/2289094>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

FLK 50/EZ-DR/ 250/KONFEK - Cable

2289104

<https://www.phoenixcontact.com/us/products/2289104>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

FLKM 50-PA-S300 - Front adapter

2294445

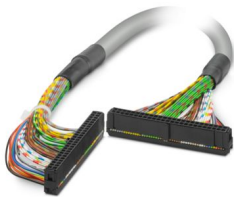
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 300/KONFEK - Cable

2289117

<https://www.phoenixcontact.com/us/products/2289117>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

FLK 50/EZ-DR/ 400/KONFEK - Cable

2289133

<https://www.phoenixcontact.com/us/products/2289133>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

FLKM 50-PA-S300 - Front adapter

2294445

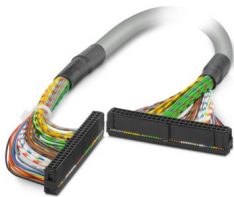
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 450/KONFEK - Cable

2289573

<https://www.phoenixcontact.com/us/products/2289573>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4.5 m

FLK 50/EZ-DR/ 500/KONFEK - Cable

2289586

<https://www.phoenixcontact.com/us/products/2289586>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

FLKM 50-PA-S300 - Front adapter

2294445

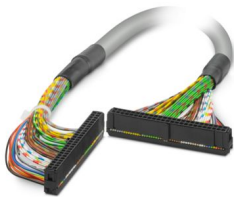
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 600/KONFEK - Cable

2289609

<https://www.phoenixcontact.com/us/products/2289609>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

FLK 50/EZ-DR/ 700/KONFEK - Cable

2289625

<https://www.phoenixcontact.com/us/products/2289625>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7 m

FLKM 50-PA-S300 - Front adapter

2294445

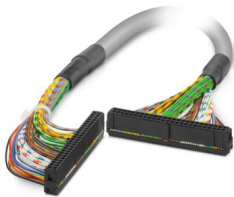
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 750/KONFEK - Cable

2289638

<https://www.phoenixcontact.com/us/products/2289638>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7.5 m

FLK 50/EZ-DR/ 800/KONFEK - Cable

2289641

<https://www.phoenixcontact.com/us/products/2289641>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8 m

FLKM 50-PA-S300 - Front adapter

2294445

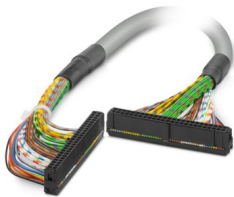
<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 900/KONFEK - Cable

2289667

<https://www.phoenixcontact.com/us/products/2289667>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 9 m

FLK 50/EZ-DR/1000/KONFEK - Cable

2289683

<https://www.phoenixcontact.com/us/products/2289683>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 50/KONFEK/S - Cable

2299097

<https://www.phoenixcontact.com/us/products/2299097>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

FLK 50/EZ-DR/ 100/KONFEK/S - Cable

2299107

<https://www.phoenixcontact.com/us/products/2299107>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 150/KONFEK/S - Cable

2299110

<https://www.phoenixcontact.com/us/products/2299110>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1.5 m

FLK 50/EZ-DR/ 200/KONFEK/S - Cable

2299123

<https://www.phoenixcontact.com/us/products/2299123>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 300/KONFEK/S - Cable

2299136

<https://www.phoenixcontact.com/us/products/2299136>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

FLK 50/EZ-DR/ 400/KONFEK/S - Cable

2299149

<https://www.phoenixcontact.com/us/products/2299149>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



FLK 50/EZ-DR/ 600/KONFEK/S - Cable

2299152

<https://www.phoenixcontact.com/us/products/2299152>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

FLK 50/EZ-DR/1000/KONFEK/S - Cable

2299178

<https://www.phoenixcontact.com/us/products/2299178>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

FLKM 50-PA-S300 - Front adapter



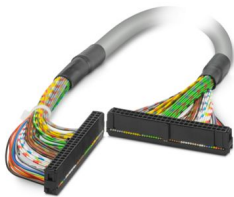
2294445

<https://www.phoenixcontact.com/us/products/2294445>

CABLE-FLK50/0,14/HF/ 0,5M - Cable

2314134

<https://www.phoenixcontact.com/us/products/2314134>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

CABLE-FLK50/0,14/HF/ 1,0M - Cable

2314147

<https://www.phoenixcontact.com/us/products/2314147>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

FLKM 50-PA-S300 - Front adapter



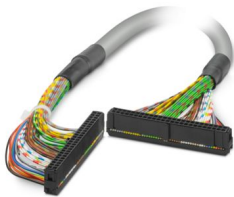
2294445

<https://www.phoenixcontact.com/us/products/2294445>

CABLE-FLK50/0,14/HF/ 1,5M - Cable

2314150

<https://www.phoenixcontact.com/us/products/2314150>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

CABLE-FLK50/0,14/HF/ 2,0M - Cable

2314163

<https://www.phoenixcontact.com/us/products/2314163>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

FLKM 50-PA-S300 - Front adapter



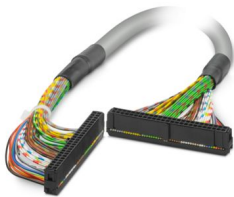
2294445

<https://www.phoenixcontact.com/us/products/2294445>

CABLE-FLK50/0,14/HF/ 2,5M - Cable

2314176

<https://www.phoenixcontact.com/us/products/2314176>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

CABLE-FLK50/0,14/HF/ 3,0M - Cable

2314189

<https://www.phoenixcontact.com/us/products/2314189>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

FLKM 50-PA-S300 - Front adapter



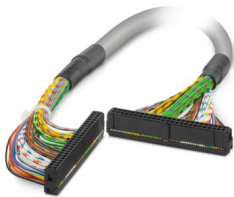
2294445

<https://www.phoenixcontact.com/us/products/2294445>

CABLE-FLK50/0,14/HF/ 4,0M - Cable

2314192

<https://www.phoenixcontact.com/us/products/2314192>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

CABLE-FLK50/0,14/HF/10,0M - Cable

2314244

<https://www.phoenixcontact.com/us/products/2314244>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

FLKM 50-PA-S300 - Front adapter

2294445

<https://www.phoenixcontact.com/us/products/2294445>



CABLE-FLK50-0,14-HF/... - Cable

2314257

<https://www.phoenixcontact.com/us/products/2314257>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: variable

Phoenix Contact 2025 © - 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