

# FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



2302748

<https://www.phoenixcontact.com/us/products/2302748>

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VARIOFACE front adapters, for Allen Bradley ControlLogix and Honeywell PlantScape, input card IB 32.

The front adapters are pushed into the high 1756-TBE hoods (not supplied as standard).

## Commercial data

Item number	2302748
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK231S
Catalog page	Page 470 (C-5-2019)
GTIN	4017918910471
Weight per piece (including packing)	65.333 g
Weight per piece (excluding packing)	62.7 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
Product family	VARIOFACE

### Data management status

Article revision	07
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### 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

### Air clearances and creepage distances

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

### Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
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### Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
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## Connection data

### Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	36

### 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	Screw connection
Stripping length	7 mm

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Screw thread	M3
Number of positions	4
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)	0.08 mm <sup>2</sup> ... 0.5 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)
	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.08 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 0.34 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	28 ... 16
Tightening torque	0.22 Nm ... 0.25 Nm
Pitch	3.81 mm

## Dimensions

### Item dimensions

Width	104.9 mm
Height	33 mm
Depth	40.84 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
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## 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.
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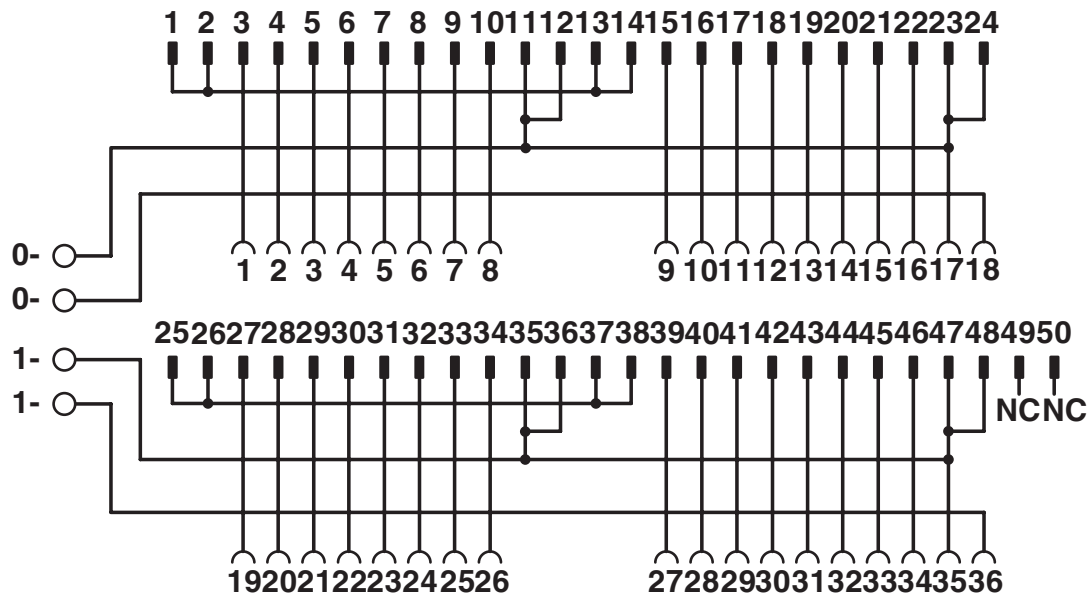


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## Drawings

Circuit diagram



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2302748

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302748>

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

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

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

ECLASS-11.0	27242292
ECLASS-12.0	27242292
ECLASS-13.0	27242292

### ETIM

ETIM 9.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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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	51622aad-fd34-471e-8b78-18f128637d39

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