

# VIP-PA-50/26/ 2,0M/1756/021 - Front adapter



1162450

<https://www.phoenixcontact.com/us/products/1162450>

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VIP VARIOFACE front adapter, with connected system cables for ControlLogix® 1756 I/O. Up to 1 x 16 channels can be connected.

## Your advantages

- Individual I/O modules lock to the controller for connection security
- Integrated lever aids in removal from I/O card
- Marking label can be attached
- Pluggable screw terminals on adapter for power connection

## Commercial data

Item number	1162450
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C423
Product key	DK232R
GTIN	4063151171131
Weight per piece (excluding packing)	558 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
Product family	VARIOFACE Professional

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (AC/DC)	≤ 30 V AC/DC
Current (Per path)	≤ 1 A
Current (per group)	≤ 8 A

Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-OB16D
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### Connection data

#### Controller level

Connection method	Plug-in connection
Note	Can be plugged onto 36-pos. I/O modules

#### Field level

Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

#### Supply

Connection method	Push-in / plug connection
Stripping length	9 mm
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 16

### Dimensions

#### Item dimensions

Width	344.98 mm
Height	68.07 mm
Depth	57.55 mm

#### Cable

Length	2 m
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## Cable/line

## 50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	no
Cable type	50X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	10.30 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	86 mm
Smallest bending radius, movable installation	161 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable) IEC 60332-3-22 (raw cable) UL VW-1 CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)
Cable type	Front adapter with cable for one module

## Environmental and real-life conditions

## Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	0 °C ... 80 °C
Altitude	≤ 2000 m (Above sea level)
Permissible humidity (operation)	≤ 95 % (non-condensing)

## Standards and regulations

Standards/regulations	UL 61010-2-201
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## Notes

Notes on operation	For proper use, the specifications of the installation directive (see
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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

Circuit diagram



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## Approvals

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**UL classified**

Approval ID: E238705



**cUL Classified**

Approval ID: E238705



**cUL Recognized**

Approval ID: E196811



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## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

ETIM 10.0	EC002584
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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	d2464a0f-00b2-44f3-a082-c0955d85dec1

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