VIP-PA-50/26/ 1,0M/1756/022 - Front adapter

1162454

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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 returns
- Shield connection: UL Type AWM, Style 1007 18 AWG (0.82 mm²) cable, black, 0.5 m length

Commercial data

Item number	1162454
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C423
Product key	DK232R
GTIN	4063151172244
Weight per piece (excluding packing)	406 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	Front adapter
Product family	VARIOFACE Professional

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (DC)	≤ 60 V DC
Current (Per path)	≤ 1 A
Current (Use of standard “RTN” terminals)	≤ 8 A

Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IF16
	1756-IF16H
	1756-IF8

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

Return

Connection method	Push-in / plug connection
Stripping length	9 mm
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section AWG	26 ... 16

Dimensions

Item dimensions

Width	344.98 mm
Height	68.07 mm
Depth	56.35 mm

Cable

Length	1 m

Cable/line

50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	yes
Cable type	50X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	11.00 mm ±0.3 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	114 mm
Smallest bending radius, movable installation	205 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x 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)	0 % ... 95 % (non-condensing)

Standards and regulations

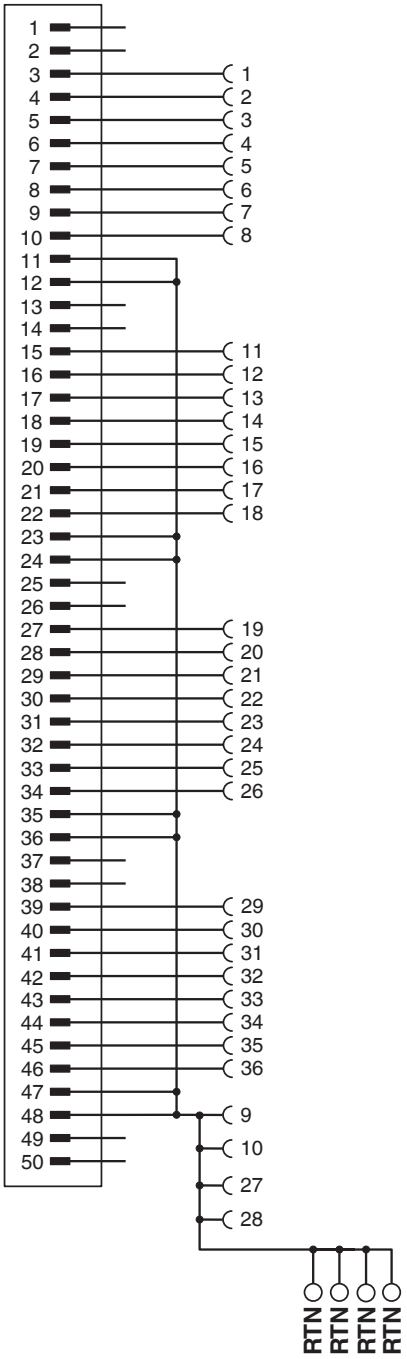
Standards/regulations	UL 61010-2-201

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.

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1162454

UL classified
Approval ID: E238705

cUL Classified
Approval ID: E238705

cUL Recognized
Approval ID: E196811

UL Recognized
Approval ID: E196811

Classifications

ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

ETIM

ETIM 10.0	EC002584

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	9447814f-242b-4b65-a399-3e01cefb27db

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