

# VIP-PA-FLK14/S/16,0M/S7/SC019 - Front adapter



2901158

<https://www.phoenixcontact.com/us/products/2901158>

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VIP VARIOFACE front adapter, with connected shielded system cables for SIMATIC S7-300, 2 x 8 channels can be connected, cable length: 16 m

## Commercial data

Item number	2901158
Packing unit	1 pc
Minimum order quantity	20 pc
Product key	DK231Y
GTIN	4046356574716
Weight per piece (including packing)	2,835 g
Weight per piece (excluding packing)	2,800 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
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### Electrical properties

Max. permissible operating voltage	< 50 V AC
	60 V DC
Max. permissible current	1 A (per path)
Rated surge voltage	0.8 kV

### Connection data

#### Control side

Connection method	Plug-in connection
Note	Can be plugged onto 20-pos. I/O modules

#### Field level

Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	14
Pitch	2.54 mm

#### Supply

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 14

### Dimensions

#### Cable

Length	16 m
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### 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 mm <sup>2</sup>

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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)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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## Standards and regulations

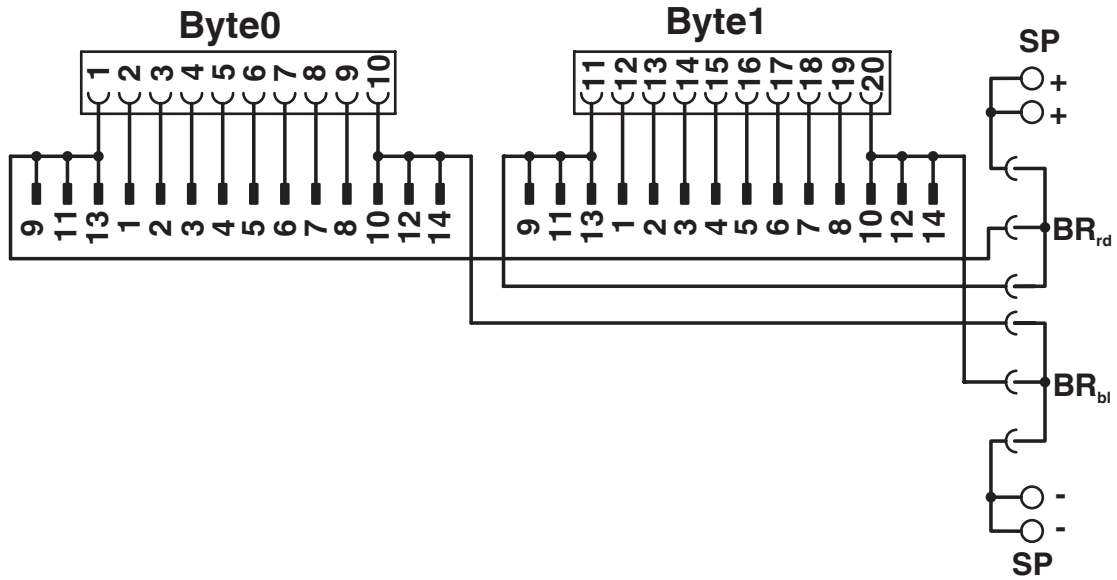
Standards/regulations	DIN EN 50178
	IEC 60664

## 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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Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27242292
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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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