

VIP-3/PT/FLK14/8IM/LED/PLC - Passive module



2904281

<https://www.phoenixcontact.com/us/products/2904281>

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VARIOFACE sensor module, for connecting 8 pnp sensors, with LED

Commercial data

Item number	2904281
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C423
Product key	DK2121
GTIN	4046356813686
Weight per piece (including packing)	120.6 g
Weight per piece (excluding packing)	137 g
Customs tariff number	85366990
Country of origin	US

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Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE Professional
Number of positions	14
No. of channels	8

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Nominal voltage U_N	24 V DC
Max. current carrying capacity per branch	1 A
Max. total current of voltage supply	3 A
Rated surge voltage	0.6 kV

Supported controller SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BL00-0AB0
	6ES7521-1BP00-0AA0 (Sinking mode)
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7522-1BP00-0AA0
	6ES7523-1BP50-0AA0 (DI32 (Sinking mode))

Supported controller ABB S800 I/O

Suitable I/O card	DI810
	DI818
	DI830
	DI840
	DO810
	DO840

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-OB32
	1756-IB16
	1756-OB16E

Supported controller GE-FANUC RX3i

Suitable I/O card	IC694MDL754
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	IC694MDL660
Supported controller HONEYWELL Experion PKS C200	
Suitable I/O card	TC-IDD 321
	TC-ODD 321
Supported controller MITSUBISHI MELSEC L	
Suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P
	LY42PT1P
Supported controller MITSUBISHI MELSEC Q	
Suitable I/O card	QX81
	QY81P
	QX41
	QX41-S1
	QX42
	QX42-S1
	QY41P
	QY42P
	QH42P
	QX82
	QX82-S1
	QY82P
Supported controller SIEMENS S7-300 / ET 200 M	
Suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BH02-0AA0
	6ES7321-1BL00-0AA0
	6ES7322-1BH01-0AA0
	6ES7322-1BL00-0AA0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
Supported controller SIEMENS S7-400	
Suitable I/O card	6ES7421-1BL01-0AA0
	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0
Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM	
Suitable I/O card	DDI 353
	DDI 853

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	DDO 353
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Connection data

Field level

Connection in acc. with standard	IEC / EN
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14
Pitch	2.54 mm

Signaling

Status display	LED
Status display present	yes

Dimensions

Item dimensions

Width	52 mm
Height	75.8 mm
Depth	63 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Housing insulation material	Polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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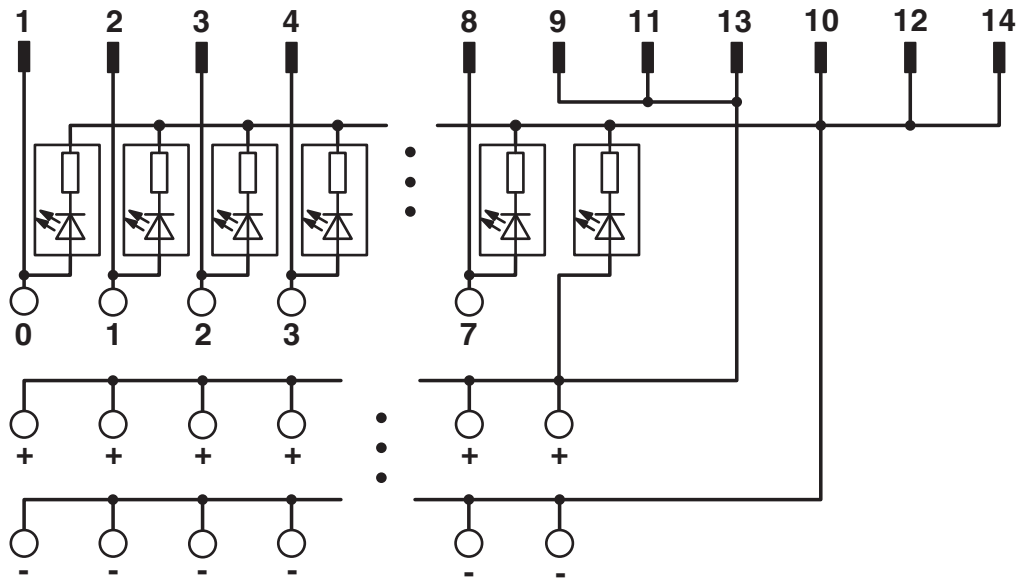
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Notes

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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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2904281>

 CSA Approval ID: 2122203				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	1 A	26 - 14	-

 cUL Recognized Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	1 A	26 - 14	-

 UL Recognized Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	1 A	26 - 14	-

 CSAus Approval ID: 2122203				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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	24 V	1 A	26 - 14	-

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

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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