

# UM-FLK14/SI/LA/PTS/8IM/PLC - Passive module



2306993

<https://www.phoenixcontact.com/us/products/2306993>

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VARIOFACE module, for 8 channels with additional plus and minus terminal blocks. Each channel is secured with a fuse (5 x 20 mm) and comes with a fuse failure indicator. The signal path can be interrupted with a disconnect knife.

## Commercial data

Item number	2306993
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C429
Product key	DK2A81
GTIN	4017918976743
Weight per piece (including packing)	253.3 g
Weight per piece (excluding packing)	253.3 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

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

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage range	19.2 V DC ... 26.4 V DC
Fuse	1 A 5x20 (fast-blow) (F1 ... F8)
	2 A 5x20 (fast-blow) (F9)
Current (per branch)	≤ 1 A
Current (Terminal block -)	≤ 2 A

### Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

### Supported controller: ABB S800 I/O

Suitable I/O card	DI810
	DI818
	DI830
	DI840
	DO810
	DO840

### Connection data

#### Connection 1 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 2 (field level)

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

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Number of positions	27
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup> (Ferrule without plastic sleeve) 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section AWG	26 ... 16
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Connection 3 (field level)

Connection method	PCB terminal block
Type	PCB isolating plugs
Number of connections	1
Number of positions	8
Pitch	5.08 mm

## Signaling

Status display present	yes, if the fuse fails
Error indication	Red LED

## Dimensions

### Item dimensions

Width	54.5 mm
Height	125.4 mm
Depth	69.15 mm

## Material specifications

Housing insulation material	PVC
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## 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	DIN rail 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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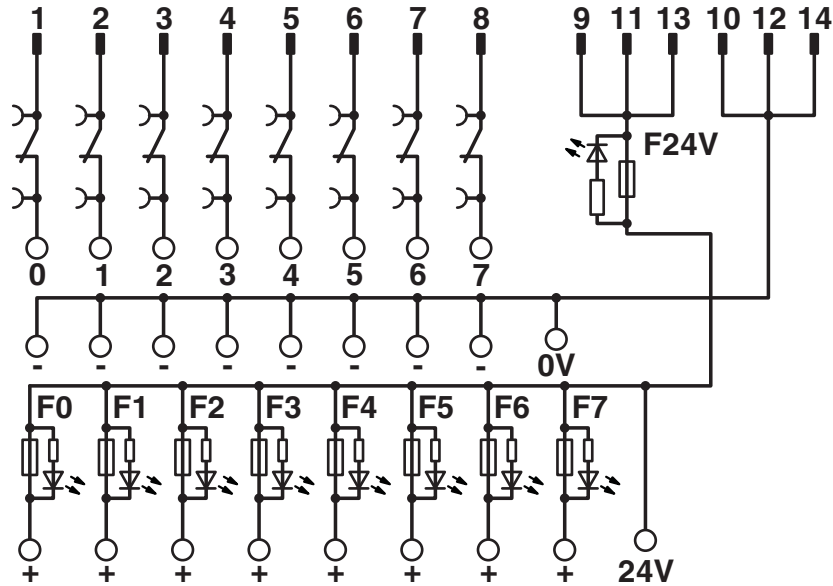


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## Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0

27141152

### UNSPSC

UNSPSC 21.0

39121400

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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)
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