

https://www.phoenixcontact.com/us/products/2281047



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VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 32 or NS 35/7.5, with pin strip and short and long locking latches for socket strips, 20-pos.

## Commercial data

Item number	2281047
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	DK2181
GTIN	4017918054496
Weight per piece (including packing)	114.47 g
Weight per piece (excluding packing)	1.29 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	20

#### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

## Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Current (per branch)	≤ 1 A

#### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 μs)

#### 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	20
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 2 (field level)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Number of positions	20
Conductor cross-section rigid	0.2 mm² 4 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm² 1.5 mm²
Conductor cross-section flexible	0.2 mm² 2.5 mm²
	0.25 mm <sup>2</sup> 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross	0.2 mm <sup>2</sup> 1.5 mm <sup>2</sup>
section)	0.25 mm² 0.75 mm² (Ferrule without plastic sleeve)
	0.5 mm² 0.5 mm² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 12



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	Tightening torque	0.5 Nm 0.6 Nm
	Pitch	5.08 mm
Signaling		
	Status display present	no
Dir	mensions	

## D

#### Item dimensions

Width	56.25 mm
Height	77 mm
Depth	57.47 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	Polyamide 6 green

#### 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

## Approvals

#### UKCA

ONO N		
	Certificate	UKCA-compliant

## 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

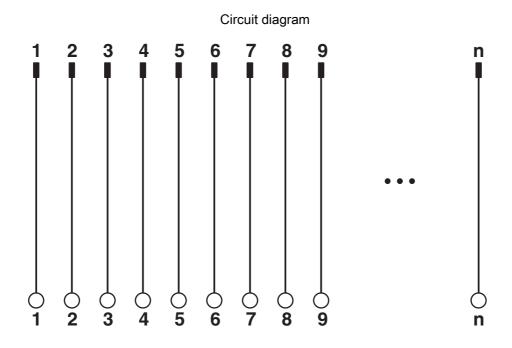
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.



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## Drawings





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## **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2281047

cUL Recognized Approval ID: E118976					
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
Field	d wiring	125 V	1 A	30 - 12	-

UL Recognized Approval ID: E11897	<b>[</b> 76			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
Field wiring	125 V	1 A	30 - 12	-



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## Classifications

#### **ECLASS**

	ECLASS-13.0	27141152
	ECLASS-15.0	27141152
ΕT	ТІМ	
	ETIM 9.0	EC002780
UN	NSPSC	

## **UNSPSC**

UNSPSC 21.0	39121400



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## Environmental product compliance

#### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions		
China RoHS			
Environment friendly use period (EFUP)	EFUP-E		
	No hazardous substances above the limits		
EU REACH SVHC			
REACH candidate substance (CAS No.)	No substance above 0.1 wt%		

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