

https://www.phoenixcontact.com/us/products/2281089



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VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 32 oder NS 35/7.5, with male connector and short and long locking latches for female connectors, number of positions 50, (1-1 connection)

Commercial data

Item number	2281089
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	DK2181
GTIN	4017918054533
Weight per piece (including packing)	242.03 g
Weight per piece (excluding packing)	223.664 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	50
No. of channels	16

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)

Supported controller SIEMENS S7-400

Suitable I/O card	6ES7431-0HH0-0AB0
	6ES7431-1KF00-0AB0
	6ES7431-1KF10-0AB0
	6ES7431-1KF20-0AB0
	6ES7431-7KF00-0AB0
	6ES7431-7KF10-0AB0
	6ES7431-7QH00-0AB0
	6ES7432-1HF00-0AB0

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	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3



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Number of positions	50
Conductor cross-section rigid	0.2 mm² 4 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm ² 1.5 mm ²
Conductor cross-section flexible	0.2 mm² 2.5 mm²
	0.25 mm² 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm ² 2.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm² 1.5 mm²
	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
Tightening torque	0.5 Nm 0.6 Nm
Pitch	5.08 mm

Signaling

Status display present	no

Dimensions

Item dimensions

Width	135 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

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

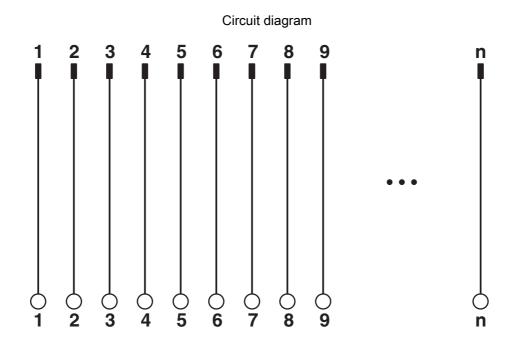
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.



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Drawings





https://www.phoenixcontact.com/us/products/2281089



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2281089

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		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
Field	d wiring	125 V	1 A	30 - 12	-

SUL Recognized Approval ID: E118976	;			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
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Field wiring	125 V	1 A	30 - 12	-



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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152
ETIM	
ETIM 9.0	EC002780
UNSPSC	

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UNSPSC 21.0 39121400



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Environmental product compliance

EU RoHS

20 1.01.0	
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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