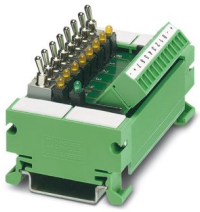
UM 45-IB-DI/SIM8 - Termination board

2962997

https://www.phoenixcontact.com/us/products/2962997

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VARIOFACE switch module, with COMBICON connector, for simulation, for 8 signals, for mounting DIN rail NS 35

Commercial data

Item number	2962997
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK21A1
GTIN	4017918184643
Weight per piece (including packing)	84.6 g
Weight per piece (excluding packing)	52.6 g
Customs tariff number	85365019
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Operating mode	100% operating factor

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
Current (per branch)	≤ 0.05 A
Current (Voltage supply)	≤ 0.4 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 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	14
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	12
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.08 mm² ... 0.5 mm²
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
	0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 0.75 mm² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.08 mm² ... 0.75 mm²
	0.25 mm² ... 0.34 mm² (Ferrule without plastic sleeve)
	0.5 mm² ... 0.5 mm² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	28 ... 16

Tightening torque	0.22 Nm ... 0.25 Nm
Pitch	3.81 mm

Signaling

Status display	LED (yellow)
Status display present	yes
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	75 mm
Height	45 mm
Depth	41 mm

Material specifications

Color	green (RAL 6021)

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

Mounting

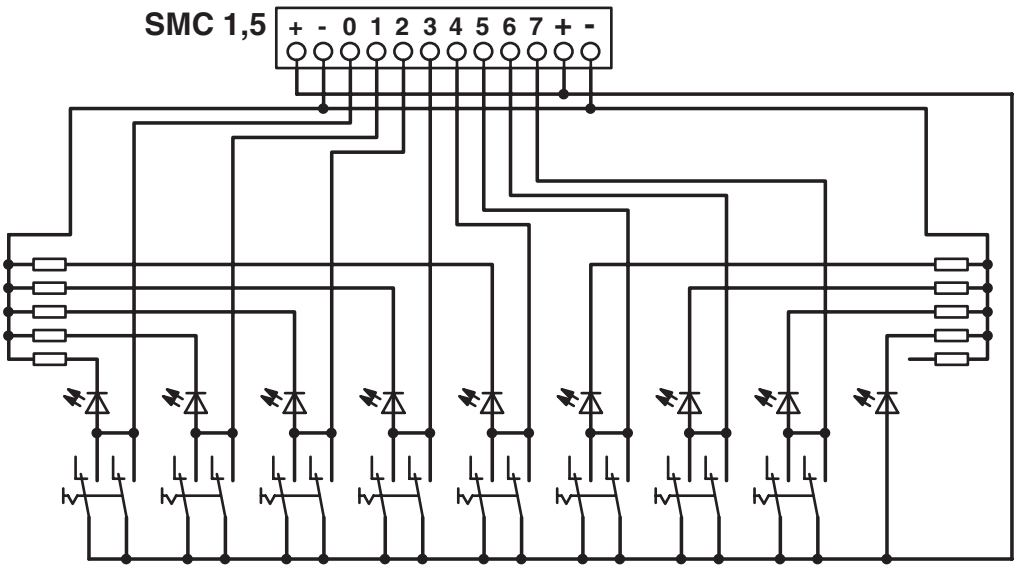
Mounting type	DIN rail mounting
Mounting position	any

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.

Drawings

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com