

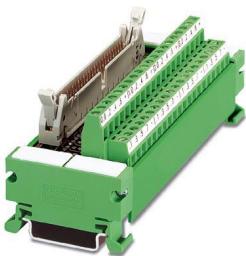
UM 45-FLK50/AB-1756 - Passive module



2968357

<https://www.phoenixcontact.com/us/products/2968357>

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VARIOFACE COMPACT LINE, interface module for Allen-Bradley Controll-Logix, with Controll-Logix-specific labeling

Commercial data

Item number	2968357
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK21AR
GTIN	4017918587772
Weight per piece (including packing)	128 g
Weight per piece (excluding packing)	128 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
No. of channels	16
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 (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Current (per branch)	≤ 1 A
Current (Voltage supply per byte)	≤ 2 A

Air clearances and creepage distances

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

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IA16I 1756-IB16D 1756-IB16I 1756-IB32 1756-IH16I 1756-OB32 1756-IF8 1756-IF16 1756-HSC 1756-M02AE
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Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDK 161 TC-IDX 161 TC-IDJ 161 TC-IDD 321 TC-ODD 321 TC-IAH 161
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Connection data

Connection 1 (control level)

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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	6 mm
Screw thread	M3
Number of positions	40
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ²
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ² 0.25 mm ² ... 1 mm ² (Ferrule without plastic sleeve) 0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ² 0.25 mm ² ... 0.5 mm ² (Ferrule without plastic sleeve) 0.5 mm ² ... 1 mm ² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	26 ... 16
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

Signaling

Status display present	no
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Dimensions

Item dimensions

Width	115.8 mm
Height	45 mm
Depth	50.5 mm

Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

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

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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

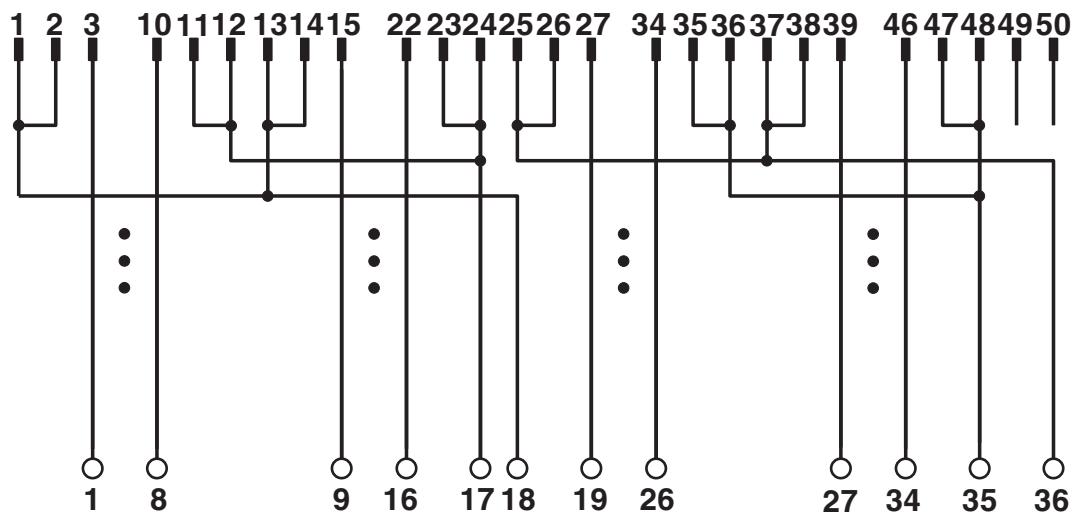
Notes

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



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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, No exemptions
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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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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