

FLKM 40 - Interface module

2281076

<https://www.phoenixcontact.com/us/products/2281076>



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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, 40-pos.

Commercial data

Item number	2281076
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	C422
Product key	CK2181
Catalog page	Page 242 (IF-2007)
GTIN	4017918054526
Weight per piece (including packing)	209.12 g
Weight per piece (excluding packing)	168.2 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	40
No. of channels	32

Insulation characteristics

Insulation	Functional insulation
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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 ALLEN-BRADLEY SLC 500

Suitable I/O card	1746 OB 32
	1746 OV 32
	1746 IB 32
	1746 IV 32

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	40
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	40

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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 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 2.5 mm² (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
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Dimensions

Item dimensions

Width	112.5 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
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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

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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

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2281076>

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Field wiring	125 V	1 A	30 - 12	-

UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Field wiring	125 V	1 A	30 - 12	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-13.0	27141152
ECLASS-12.0	27141152

ETIM

ETIM 8.0	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
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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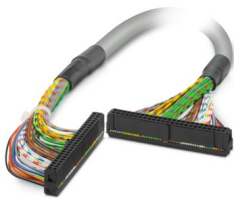
Accessories

FLK EZ-DR.../.../... - Cable

2295059

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Round cable, with preassembly, not shielded, variable cable length



FLK 40/EZ-DR/ 50/KONFEK - Cable

2288985

<https://www.phoenixcontact.com/us/products/2288985>

Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 0.5 m



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FLK 40/EZ-DR/ 100/KONFEK - Cable

2288998

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 1 m

FLK 40/EZ-DR/ 150/KONFEK - Cable

2289007

<https://www.phoenixcontact.com/us/products/2289007>



Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 1.5 m

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FLK 40/EZ-DR/ 200/KONFEK - Cable

2289010

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 2 m

FLK 40/EZ-DR/ 250/KONFEK - Cable

2289023

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 2.5 m

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FLK 40/EZ-DR/ 300/KONFEK - Cable

2289036

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 3 m

FLK 40/EZ-DR/ 350/KONFEK - Cable

2289049

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 3.5 m

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FLK 40/EZ-DR/ 400/KONFEK - Cable

2289052

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 4 m

FLK 40/EZ-DR/ 600/KONFEK - Cable

2299589

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 6 m

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FLK 40/EZ-DR/ 800/KONFEK - Cable

2299592

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 8 m

FLK 40/EZ-DR/1000/KONFEK - Cable

2299602

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 10 m

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