

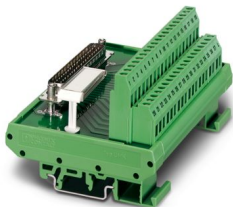
FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



VARIOFACE module, with screw connection and D-Subminiature socket strip, for mounting on NS 35/7.5 or NS 32, 9-pos.

Commercial data

Item number	2281186
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CK2
Product key	CK2182
Catalog page	Page 248 (IF-2007)
GTIN	4017918054618
Weight per piece (including packing)	70.98 g
Weight per piece (excluding packing)	70.98 g
Customs tariff number	85369010
Country of origin	DE

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE

Insulation characteristics

Insulation	Functional insulation
------------	-----------------------

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (AC)	$\leq 30 \text{ V AC}$
Operating voltage (DC)	$\leq 60 \text{ V DC}$
Current (per branch)	$\leq 2.5 \text{ A}$
Current (Total current)	$\leq 22.5 \text{ A}$

Air clearances and creepage distances

Rated insulation voltage	125 V
Rated surge voltage	1.2 kV (1.2/50 μs)

Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	9
Insertion/withdrawal cycles	> 500
Pitch	2.74 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Number of positions	10
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrules without plastic sleeve)
	0.25 mm ² ... 2.5 mm ² (Ferrule with plastic sleeve)

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Conductor cross section flexible (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
	0.25 mm² ... 0.75 mm² (Ferrules 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	33.65 mm
Height	77 mm
Depth	57.47 mm

Material specifications

Color	green (RAL 6021)
Housing insulation material	Polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
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
--------------------	--

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

instructions of the respective third-party manufacturer must also be met.

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/2281186>

 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	2.5 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	2.5 A	30 - 12	-

cULus Recognized				
-------------------------	--	--	--	--

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002780
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

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%
EF3.0 Climate Change	
CO2e kg	0.772 kg CO2e

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

Accessories

CABLE D-SUB-S/.../.../... - Cable

2302340

<https://www.phoenixcontact.com/in/products/2302340>



Shielded round cable, assembled with one D-SUB female and pin strip (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

CABLE D-SUB-S-S-S/.../.../... - Cable

2302434

<https://www.phoenixcontact.com/in/products/2302434>



Shielded round cable, assembled with two D-SUB pin strips (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB/B/S/ 50/KONFEK/S - Cable

2299987

<https://www.phoenixcontact.com/in/products/2299987>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m

CABLE-D 9SUB/B/S/100/KONFEK/S - Cable

2299990

<https://www.phoenixcontact.com/in/products/2299990>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB/B/S/150/KONFEK/S - Cable

2300009

<https://www.phoenixcontact.com/in/products/2300009>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m

CABLE-D 9SUB/B/S/200/KONFEK/S - Cable

2302010

<https://www.phoenixcontact.com/in/products/2302010>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB/B/S/300/KONFEK/S - Cable

2302023

<https://www.phoenixcontact.com/in/products/2302023>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

CABLE-D 9SUB/B/S/400/KONFEK/S - Cable

2302036

<https://www.phoenixcontact.com/in/products/2302036>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB/B/S/600/KONFEK/S - Cable

2302049

<https://www.phoenixcontact.com/in/products/2302049>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

CABLE-D 9SUB/B/S/HF/S/ 1,0M - Cable

1066591

<https://www.phoenixcontact.com/in/products/1066591>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB/B/S/HF/S/ 2,0M - Cable

1066592

<https://www.phoenixcontact.com/in/products/1066592>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

CABLE-D 9SUB/B/S/HF/S/ 3,0M - Cable

1066593

<https://www.phoenixcontact.com/in/products/1066593>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D 9SUB-B-S-HF-S/... - Cable

1075568

<https://www.phoenixcontact.com/in/products/1075568>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: variable

CABLE-D- 9SUB/M/OE/0,25/S/0,5M - Cable

2926360

<https://www.phoenixcontact.com/in/products/2926360>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D- 9SUB/M/OE/0,25/S/1,0M - Cable

2926373

<https://www.phoenixcontact.com/in/products/2926373>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

CABLE-D- 9SUB/M/OE/0,25/S/1,5M - Cable

2926386

<https://www.phoenixcontact.com/in/products/2926386>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D- 9SUB/M/OE/0,25/S/2,0M - Cable

2926399

<https://www.phoenixcontact.com/in/products/2926399>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

CABLE-D- 9SUB/M/OE/0,25/S/3,0M - Cable

2926409

<https://www.phoenixcontact.com/in/products/2926409>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

FLKM-D 9 SUB/B - Interface module



2281186

<https://www.phoenixcontact.com/in/products/2281186>

CABLE-D- 9SUB/M/OE/0,25/S/4,0M - Cable

2926412

<https://www.phoenixcontact.com/in/products/2926412>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m

CABLE-D- 9SUB/M/OE/0,25/S/6,0M - Cable

2926425

<https://www.phoenixcontact.com/in/products/2926425>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

FLKM-D 9 SUB/B - Interface module

2281186

<https://www.phoenixcontact.com/in/products/2281186>



CABLE-D- 9SUB-M-OE-0,25-S/... - Cable

2900909

<https://www.phoenixcontact.com/in/products/2900909>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: variable

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in