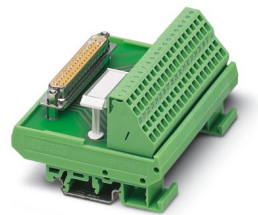


2304021

<https://www.phoenixcontact.com/us/products/2304021>

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.



Standard 1:1 D-SUB module, with spring-cage connection and D-SUB pin strip, no. of positions 50

Your advantages

- 9-pos. ... 50-pos.
- Spring-cage connection technology
- In accordance with IEC 60807-2
- 1:1 connection

Commercial data

Item number	2304021
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK2222
Catalog page	Page 308 (IF-2011)
GTIN	4017918943998
Weight per piece (including packing)	246.31 g
Weight per piece (excluding packing)	237.866 g
Customs tariff number	85369010
Country of origin	DE

FLKM-D50 SUB/S/ZFKDS - Interface module



2304021

<https://www.phoenixcontact.com/us/products/2304021>

Technical data

Product properties

Product type	Interface module
Number of positions	50

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)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Current (per branch)	≤ 2.5 A
Current (Total current)	≤ 90 A

Air clearances and creepage distances

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

Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

Connection 2 (field level)

Connection method	Spring-cage connection
Stripping length	7 mm
Number of positions	52
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	No
------------------------	----

FLKM-D50 SUB/S/ZFKDS - Interface module



2304021

<https://www.phoenixcontact.com/us/products/2304021>

Dimensions

Item dimensions

Width	146.25 mm
Height	77 mm
Depth	51.27 mm

Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

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

General	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.
---------	--

FLKM-D50 SUB/S/ZFKDS - Interface module

2304021

<https://www.phoenixcontact.com/us/products/2304021>



Drawings

Circuit diagram



FLKM-D50 SUB/S/ZFKDS - Interface module



2304021

<https://www.phoenixcontact.com/us/products/2304021>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2304021>

 cUL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

 UL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

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

FLKM-D50 SUB/S/ZFKDS - Interface module



2304021

<https://www.phoenixcontact.com/us/products/2304021>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

FLKM-D50 SUB/S/ZFKDS - Interface module



2304021

<https://www.phoenixcontact.com/us/products/2304021>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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