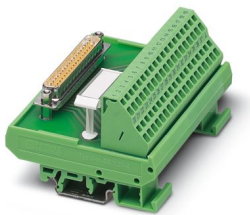


FLKM-D25 SUB/B/ZFKDS - Interface module



2304050
<https://www.phoenixcontact.com/us/products/2304050>

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Standard 1:1 D-SUB module, with spring-cage connection and D-SUB socket strip, no. of positions 25

Your advantages

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

Commercial data

Item number	2304050
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK2222
Catalog page	Page 308 (IF-2011)
GTIN	4017918944025
Weight per piece (including packing)	143 g
Weight per piece (excluding packing)	0.77 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Number of positions	25
No. of channels	16

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)	≤ 2.5 A
Current (Total current)	≤ 62.5 A

Air clearances and creepage distances

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

Supported controller ABB S800 I/O

Suitable I/O card	DI810
	DI811
	DI814
	DI818
	DI830
	DI831
	DI840
	DI885
	DO810
	DO814
	DO818
	DP820
	DO840
	AI810
	AI820
	AI830
	AI835
	AI845
	AO810

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	AO820
	AO845

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	25
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

Connection 2 (field level)

Connection method	Spring-cage connection
Stripping length	7 mm
Number of positions	26
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	No
Status display present	No

Dimensions

Item dimensions

Width	78.75 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

FLKM-D25 SUB/B/ZFKDS - Interface module



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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

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.
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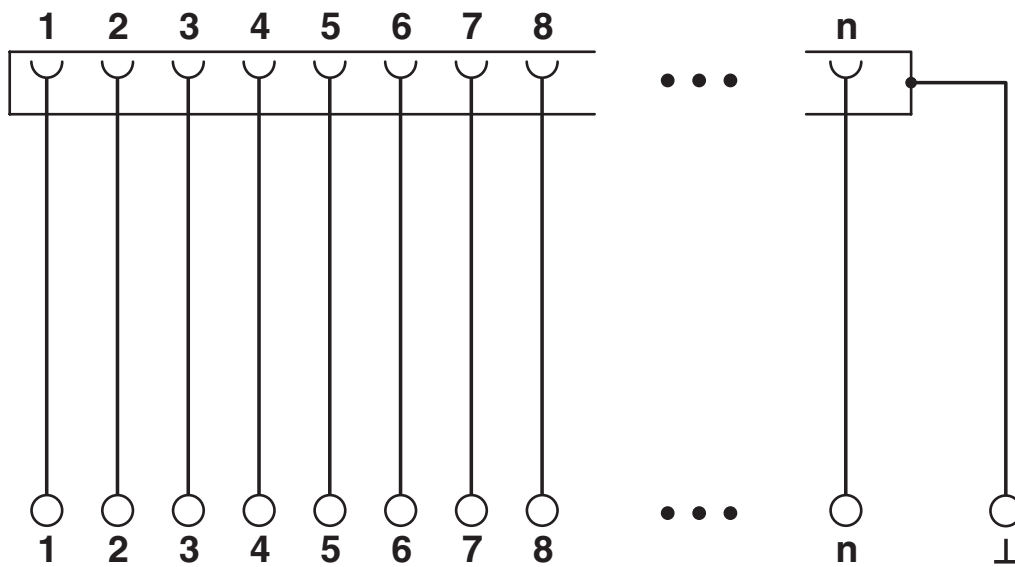
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2304050>

 cUL Recognized Approval ID: FILE E 238705				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	125 V	2.5 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	2.5 A	-	-

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

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

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