

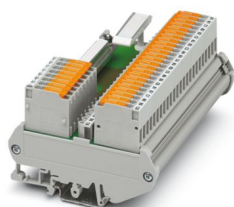
FLKM-D25 SUB/B/KDS3-MT/TU810 - Interface module



2304513

<https://www.phoenixcontact.com/us/products/2304513>

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VARIOFACE module for ABB S800 I/O, with knife disconnect terminal blocks and specific marking (A1, B1, C1, A2, B2, C2, ... A8, B8, C8)

Your advantages

- Eight negative terminal blocks with knife disconnection (TU810)
- Eight positive terminal blocks with knife disconnection (TU810/P)
- One positive and negative terminal block with knife disconnection per channel (TU830)

Commercial data

Item number	2304513
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK21A1
Catalog page	Page 468 (C-5-2019)
GTIN	4017918949006
Weight per piece (including packing)	329.6 g
Weight per piece (excluding packing)	329.3 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	2
	4
	8
	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 A
Current (L1-, L2-)	≤ 8 A
Current (L1+, L2+)	≤ 4 A
Current (Pin 1, 14, 2, 15, 11, 24, 12, 25)	≤ 4 A

Air clearances and creepage distances

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

Supported controller ABB S800 I/O

Suitable I/O card	DI814
	DO810
	DO840
	DP820
	DP840
	AI810
	AI815
	AI820
	AI830
	AI835
	AI845
	AO810
	AO815
	AO820

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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	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Number of positions	32
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Connection 3 (field level)

Connection method	Test socket
Number of positions	24

Signaling

Status display	No
Status display present	No

Dimensions

Item dimensions

Width	126 mm
Height	89.6 mm
Depth	59 mm

Material specifications

Color	gray (RAL 7042)
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

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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

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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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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