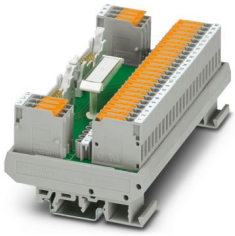
FLKM-2FLK14/KDS3-MT/AN/S7-1500 - Termination board

2909894

https://www.phoenixcontact.com/us/products/2909894

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VARIOFACE termination board for Siemens SIMATIC® S7-1500 analog modules, for max. 2x 2 channels with SIMATIC®-specific marking, knife-disconnect terminal block, and test pick-off, as well as power supply terminal blocks

Commercial data

Item number	2909894
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK218S
GTIN	4055626407869
Weight per piece (including packing)	332 g
Weight per piece (excluding packing)	332 g
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
No. of channels	4
Operating mode	100% operating factor

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
Current (Terminal block L+/M)	≤ 10 A

Air clearances and creepage distances

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

Supported controller: SIEMENS S7-1500

Suitable I/O card	6ES7531-7KF00-0AB0
	6ES7531-7MH00-0AB0
	6ES7531-7NF00-0AB0
	6ES7531-7NF10-0AB0
	6ES7531-7PF00-0AB0
	6ES7532-5HF00-0AB0
	6ES7532-5HD00-0AB0
	6ES7532-5ND00-0AB0

Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	2
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2 (field level)

Connection method	Screw connection with disconnect knife
Stripping length	8 mm

Screw thread	M3
Number of positions	30
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm² ... 1 mm²
Conductor cross-section flexible	0.2 mm² ... 4 mm²
	0.25 mm² ... 2.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 1.5 mm² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm² ... 1 mm²
	0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve)
	0.5 mm² ... 1 mm² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

Connection 3 (field level)

Connection method	Test socket
Number of positions	24

Signaling

Status display present	no

Dimensions

Item dimensions

Width	134.8 mm
Height	77 mm
Depth	51.48 mm

Material specifications

Color	gray (RAL 7042)

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 70 °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

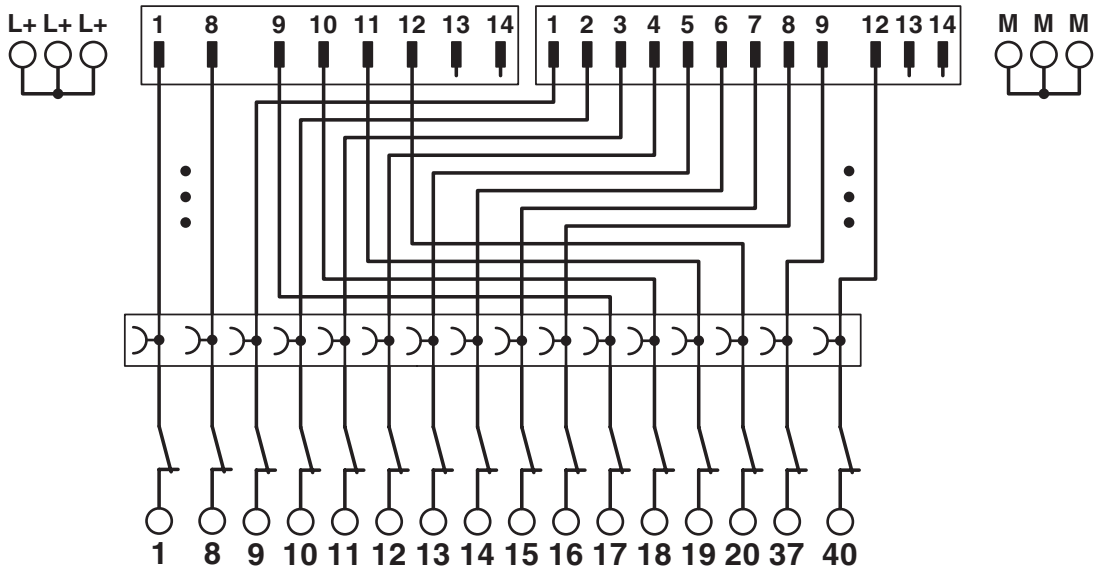
Mounting type	DIN rail mounting
Mounting position	any

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2909894

UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e8c9c828-8f81-44e1-b2e0-f5b5b395211f

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