

FLKMS 50/32IM/LA/PLC - Passive module

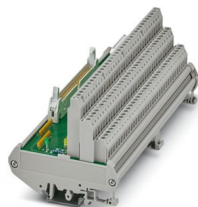


2284510

<https://www.phoenixcontact.com/us/products/2284510>

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 sensor module, for connecting 32 p-n-p sensors, with LED



Your advantages

- With LED as an option
- For 32 channels
- Byte-by-byte labeling
- Positive and negative connection per signal

Commercial data

Item number	2284510
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2181
Catalog page	Page 522 (C-5-2019)
GTIN	4017918055684
Weight per piece (including packing)	447 g
Weight per piece (excluding packing)	411.92 g
Customs tariff number	85369010
Country of origin	DE

FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	50
No. of channels	32

Data management status

Article revision	09
------------------	----

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage range	19.2 V DC ... 26.4 V DC
Current (per branch)	≤ 1 A
Current (Voltage supply)	≤ 2 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	6ES7521-1BL00-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0

Supported controller SIEMENS S7-400

Suitable I/O card	6ES7421-1BL01-0AA0
	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-OB32

Supported controller ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 IBN
	1771 OBN

Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
	TC-ODD 321

FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

Supported controller MITSUBISHI MELSEC L

Suitable I/O card	LX41C4
	LX42C4
	LY41PT1P
	LY42PT1P

Supported controller MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P
	QY82P
	QX71
	QX72
	QX82
	QX82-S1

Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DDO 353

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BL00-0AA0
	6ES7322-1BL00-0AA0
	6ES7323-1BL00-0AA0
	CPU 313C
	CPU 313C-2PtP

Supported controller GE-FANUC RX3i

Suitable I/O card	IC694MDL754
	IC694MDL660

Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2 (field level)

Connection method	Screw connection
-------------------	------------------

FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

Stripping length	7 mm
Screw thread	M3
Number of positions	100
Conductor cross section rigid	0.2 mm² ... 4 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
	0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
	0.2 mm² ... 0.75 mm² (Ferrule 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	LED (yellow)
Status display present	Yes
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	179.5 mm
Height	90 mm
Depth	79 mm

Material specifications

Color	gray (RAL 7042)
Housing insulation material	Polyamide 6 green

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
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UKCA

Certificate	UKCA-compliant
-------------	----------------

Standards and regulations

FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

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.
--------------------	--

FLKMS 50/32IM/LA/PLC - Passive module

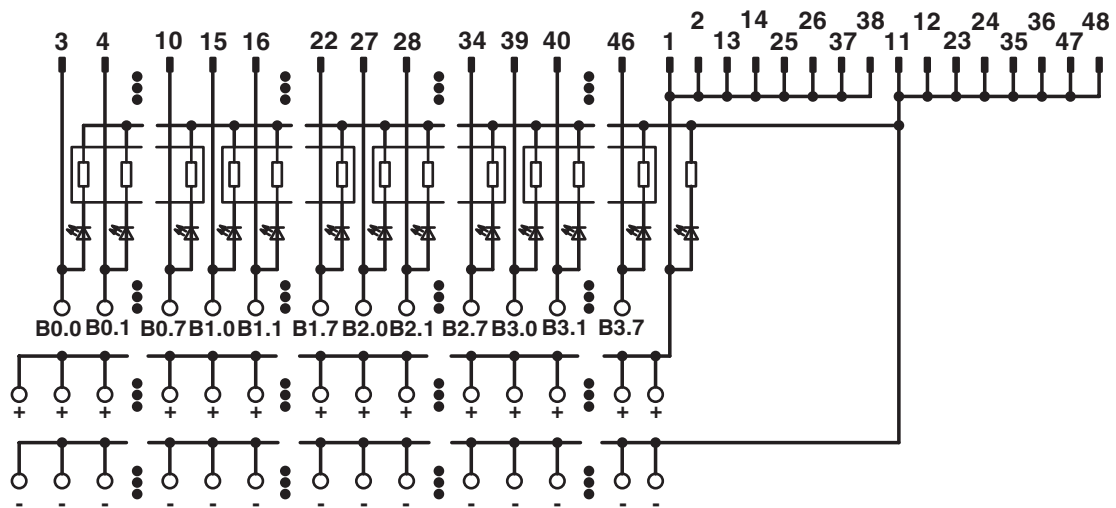


2284510

<https://www.phoenixcontact.com/us/products/2284510>

Drawings

Circuit diagram



FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2284510>

 cUL Recognized Approval ID: E238705				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	2 A	-	-

 UL Recognized Approval ID: E238705				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	2 A	-	-

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

FLKMS 50/32IM/LA/PLC - Passive module



2284510

<https://www.phoenixcontact.com/us/products/2284510>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002780
----------	----------

UNSPSC

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

FLKMS 50/32IM/LA/PLC - Passive module



2284510
<https://www.phoenixcontact.com/us/products/2284510>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I
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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
SCIP	f727175c-38d6-480f-b3a3-9a41e26a2a25

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