

# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

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 COMPACT LINE, sensor module for the connection of 32 p-n-p sensors, for assembly on DIN rail NS 35/7.5, screw connection

## Commercial Data

Item number	2962890
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2162
Catalog Page	Page 205 (IF-2007)
GTIN	4017918087494
Weight per Piece (including packing)	255.4 g
Weight per Piece (excluding packing)	221.27 g
Customs tariff number	85369010
Country of origin	DE

# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

## Technical Data

### Product properties

Product type	Controller board
Number of positions	50
No. of channels	32

### Insulation characteristics

Overvoltage category	II
Pollution degree	2
Insulation	Functional insulation

### Electrical properties

No. of channels	32
Max. permissible operating voltage	25 V AC 60 V DC
Max. current carrying capacity per branch	1 A
Max. total current of voltage supply	2 A (per byte)
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

### 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

### Supported controller MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P

### Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DAI 353

# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

	DAI 453
	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

## Connection data

### Field level

Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Conductor cross section solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	26 ... 14

### Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

## LED signaling

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

## Dimensions

Width	197 mm
Height	45 mm
Depth	52.5 mm

## Material specifications

Housing insulation material	PVC
-----------------------------	-----

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

## Approval data

UKCA

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

## Standards and regulations

Standards/regulations	IEC 60664
	DIN EN 50178

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

# Passive module - UM 45-FLK50/32IM/PLC

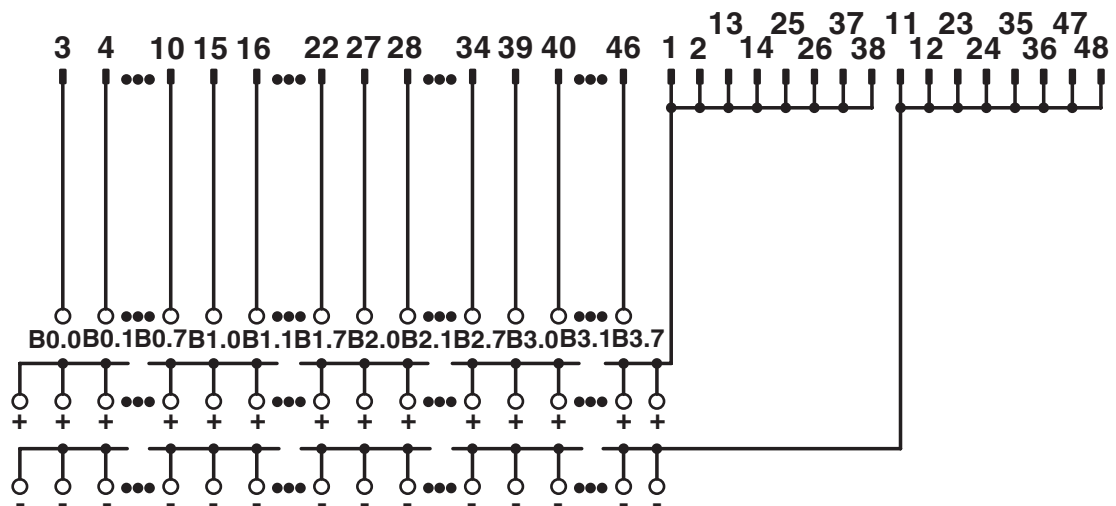


2962890

<https://www.phoenixcontact.com/pc/products/2962890>

## Drawings

Circuit diagram



# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

## Classifications

### ECLASS

ECLASS-9.0	27141152
ECLASS-10.0.1	27141152
ECLASS-11.0	27141152

### ETIM

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

### UNSPSC

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

# Passive module - UM 45-FLK50/32IM/PLC



2962890

<https://www.phoenixcontact.com/pc/products/2962890>

## 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"

Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

[info@phoenixcontact.com](mailto:info@phoenixcontact.com)