

2976158
<https://www.phoenixcontact.com/us/products/2976158>

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.



Termination board, connection 1: EDAC / ELCO pin strip 1x 56-position (ELCO pin strip type 8016/EDAC pin strip type 516, left), connection 2: Screw connection 56-position

Commercial data

Item number	2976158
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK2186
Catalog page	Page 579 (C-5-2017)
GTIN	4017918089221
Weight per piece (including packing)	393.7 g
Weight per piece (excluding packing)	4.22 g
Customs tariff number	85369010
Country of origin	DE

UMK- EC56/FRONT 2,5V/L - Termination board



2976158

<https://www.phoenixcontact.com/us/products/2976158>

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	56
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)	≤ 1.5 A
Current (Total current)	≤ 84 A

Air clearances and creepage distances

Rated insulation voltage	85 V
Rated surge voltage	0.8 kV (1.2/50 µs)

Connection data

Connection 1 (control level)

Connection method	EDAC / ELCO pin strip
Coding	4-4
Number of connections	1
Number of positions	56
Note	ELCO pin strip type 8016/EDAC pin strip type 516, left
Pitch	3.81 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	9 mm
Screw thread	M3
Number of positions	56
Conductor cross section rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm² ... 0.75 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
	0.25 mm² ... 1.5 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 ... 0.75 mm²
	0.25 mm² ... 0.34 mm² (Ferrule without plastic sleeve)

UMK- EC56/FRONT 2,5V/L - Termination board



2976158

<https://www.phoenixcontact.com/us/products/2976158>

Conductor cross section AWG	24 ... 14
Tightening torque	0.4 Nm ... 0.5 Nm
Pitch	5 mm

Signaling

Status display present	no
------------------------	----

Dimensions

Item dimensions

Width	146.05 mm
Height	77.4606 mm
Depth	51.16 mm

Material specifications

Color	green (RAL 6021)
Housing insulation material	Polyamide PA non-reinforced

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

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

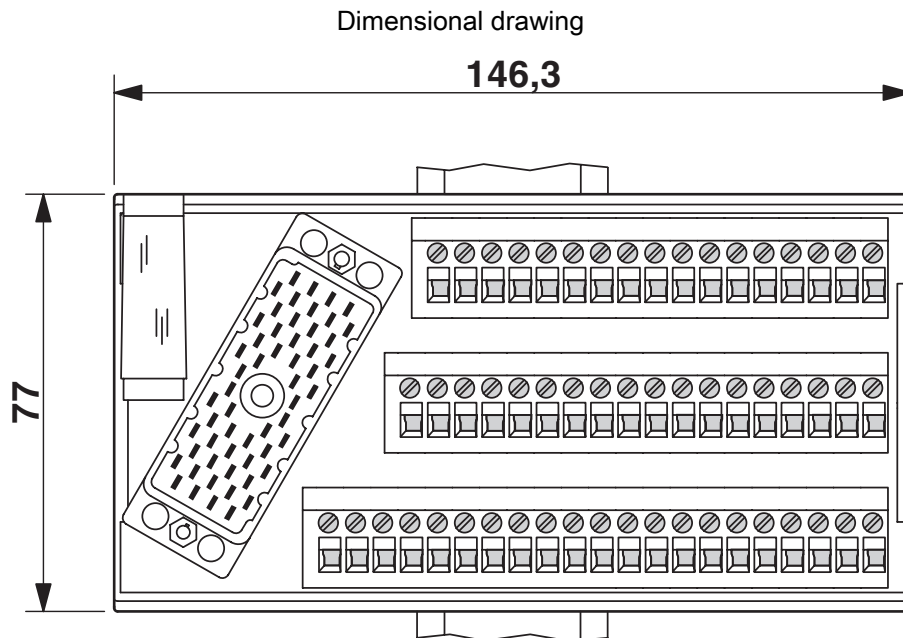
UMK- EC56/FRONT 2,5V/L - Termination board

2976158

<https://www.phoenixcontact.com/us/products/2976158>



Drawings



UMK- EC56/FRONT 2,5V/L - Termination board

2976158

<https://www.phoenixcontact.com/us/products/2976158>



Connection diagram

Terminal block	ELCO Connector
X	N.C.
1	A
2	B
3	C
4	D
5	E
6	F
7	H
8	J
9	K
10	L
11	M
12	N
13	P
14	R
15	S
16	T
17	U
18	V
19	W
20	X
21	a
22	b
23	c
24	d
25	e
26	f
27	h
28	j
29	k
30	l
31	m
32	n
33	p
34	r
35	s
36	t
37	u
38	v
39	w
40	x
41	y
42	z
43	AA
44	BB
45	CC
46	DD
47	EE
48	FF
49	HH
50	JJ
51	KK
52	LL
53	MM
4	NN
Y	Y (Shield)

UMK- EC56/FRONT 2,5V/L - Termination board



2976158

<https://www.phoenixcontact.com/us/products/2976158>

Classifications

ECLASS

ECLASS-13.0	27141152
-------------	----------

ETIM

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

UNSPSC

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

UMK- EC56/FRONT 2,5V/L - Termination board



2976158

<https://www.phoenixcontact.com/us/products/2976158>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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