

CABLE-EC56/F/OE/0,34/S/15,0M - Cable



2903401

<https://www.phoenixcontact.com/us/products/2903401>

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.

Assembled shielded round cable; connection 1: Single wires (56-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: EDAC/ELCO socket strip (1x 56-position); cable length: 15 m



Commercial data

Item number	2903401
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2281
GTIN	4046356734165
Weight per piece (including packing)	5,579 g
Weight per piece (excluding packing)	5,579 g
Customs tariff number	85444290
Country of origin	DE

CABLE-EC56/F/OE/0,34/S/15,0M - Cable



2903401

<https://www.phoenixcontact.com/us/products/2903401>

Technical data

Product properties

Product type	System cable
--------------	--------------

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	1.5 A

Cable/line

Cable length	15 m
--------------	------

56X0.34 [PVC]

UL AWM Style	2464/1061
Number of positions	56
Shielded	yes
Cable type	56X0.34 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross-section	56x 0.34 mm ²
Wire diameter incl. insulation	1.3 mm ±0.05 mm
External cable diameter	14.10 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 60 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

CABLE-EC56/F/OE/0,34/S/15,0M - Cable



2903401

<https://www.phoenixcontact.com/us/products/2903401>

Connection data

Field level

Connection method	EDAC/ELCO socket strip
Number of connections	1
Number of positions	56

Controller level

Connection method	Single wires
Number of positions	56
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

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

CABLE-EC56/F/OE/0,34/S/15,0M - Cable

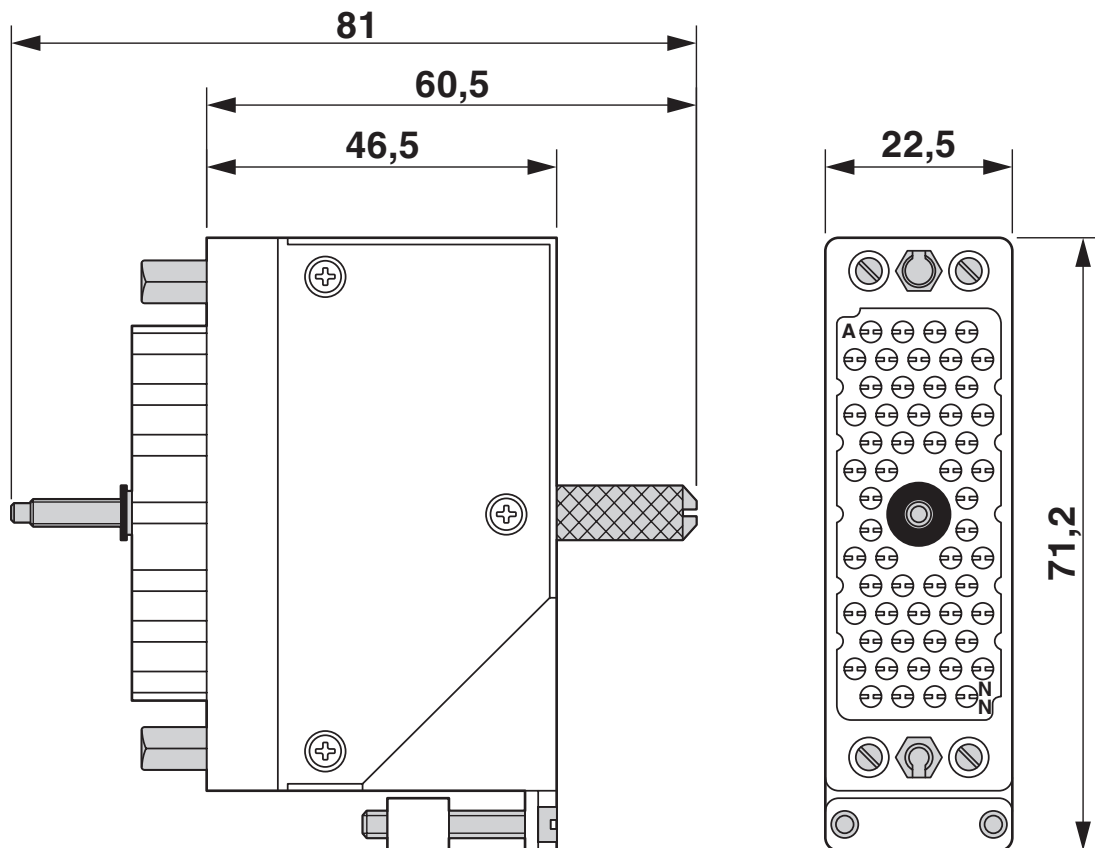


2903401

<https://www.phoenixcontact.com/us/products/2903401>

Drawings

Dimensional drawing



2903401

<https://www.phoenixcontact.com/us/products/2903401>

Connection diagram

Individual wire marking	EDAC socket plug-in connector	Individual wire marking	EDAC socket plug-in connector
Z	Z	31	m
1	A	32	n
2	B	33	p
3	C	34	r
4	D	35	s
5	E	36	t
6	F	37	u
7	H	38	v
8	J	39	w
9	K	40	x
10	L	41	y
11	M	42	z
12	N	43	AA
13	P	44	BB
14	R	45	CC
15	S	46	DD
16	T	47	EE
17	U	48	FF
18	V	49	HH
19	W	50	JJ
20	X	51	KK
21	a	52	LL
22	b	53	MM
23	c	54	NN
24	d	Y	Y
25	e		
26	f		
27	h		
28	j		
29	k		
30	l		

CABLE-EC56/F/OE/0,34/S/15,0M - Cable



2903401

<https://www.phoenixcontact.com/us/products/2903401>

Environmental product compliance

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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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