

https://www.phoenixcontact.com/au/products/2910323



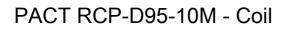
Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

300 mm long Rogowski coil. The measuring coil diameter when installed is 95 mm. The Rogowski coil is used for AC current measurement for busbars and power lines.



Commercial data

Item number	2910323
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CMMA12
Product key	CMMA12
Catalog page	Page 219 (C-5-2019)
GTIN	4055626437576
Weight per piece (including packing)	357 g
Weight per piece (excluding packing)	357 g
Customs tariff number	90309000
Country of origin	DE



https://www.phoenixcontact.com/au/products/2910323



Technical data

Product properties

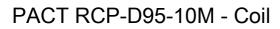
Product type	Rogowski coil
Set comprises	2910326 PACT RCP-4000A-1A-D95-10M
Insulation characteristics	
Pollution degree	2
electrical properties	
Measuring coil	
Conductor structure signal line	2x 0.22 mm (Signal (tinned))
	1x 0.22 mm (Shielding (tinned))
Insulation	double insulation
Rated insulation voltage	1000 V AC (rms CAT III)
	600 V AC (rms CAT IV)
Test voltage	10.45 kV DC (60 s)
Accuracy class	0.2 (IEC 61869-10: A1)
General	
Converter type	Rogowski coil
nput data	
Frequency	
Designation	Measuring coil
Frequency measuring range	40 Hz 20000 Hz
Current transformer	
Converter type	Rogowski coil
output data	
Signal	
Designation	Measuring coil
Output signal (at 50 Hz)	100 mV (no load, at 1,000 A)

Output signal (at 50 Hz)	100 mV (no load, at 1,000 A)
Output voltage (in no-load operation)	$V_{OUT} = M * dI/dt$
Output voltage (sinusoidal, in no-load operation)	100 mV (V _{OUT} = 2 * π * M * f * I (M = 0.318 μH; example: At 50 Hz; I = 1,000 A))

Dimensions

Measuring coil	
Length	300 mm
Diameter	8.3 mm ±0.2 mm

Measuring coil when installed



https://www.phoenixcontact.com/au/products/2910323



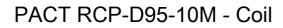
Diameter	95 mm
Signal line	
Length	10 m
Material specifications	
Housing material	PC
Coil material	Elastollan

Environmental and real-life conditions

Ambient conditions	
Measuring coil degree of protection	IP54 (not assessed by UL)
Ambient temperature (operation) (Measuring coil)	-30 °C 80 °C (Measuring coil)
Ambient temperature (storage/transport)	-40 °C 80 °C (Measuring coil)
Altitude	< 2000 m
Permissible humidity (operation)	5 % 95 % (non-condensing)

Approvals

UKCA	
Certificate	UKCA-compliant
СМІМ	
Certificate	CMIM-compliant
UL, USA/Canada	
Identification	UL 61010 Recognized
Note	Measuring coil
Standards and regulations	
Standards/regulations	IEC 61010-2-030
	IEC 61869-10



https://www.phoenixcontact.com/au/products/2910323



Approvals

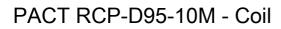
A1

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/au/products/2910323



cUL Recognized Approval ID: FILE E 357804

UL Recognized Approval ID: FILE E 357804



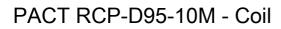
https://www.phoenixcontact.com/au/products/2910323



Classifications

ECLASS

	ECLASS-13.0	27210992
E	ГІМ	
	ETIM 9.0	EC002498
U	NSPSC	
	UNSPSC 21.0	39121000



https://www.phoenixcontact.com/au/products/2910323



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 PTY Ltd Unit 7, 2-8 South Street Rydalmere NSW 2116 1300 786 411 customerservice@phoenixcontact.com.au