

**CMA-Series  
RCMA-B22-D70-1.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Rogowski coil**

A Rogowski coil is a closed air coil without a ferromagnetic core used for floating potential measurement of AC and pulse currents. Measurement with the Rogowski coil is used widely in technology, as it can be retroactively integrated without separating the primary electric circuit in existing systems. Because this method shows no saturation effect, even the smallest currents and high-frequency harmonics can be measured without loss of accuracy.

**General ordering data**

Type	RCMA-B22-D70-1.5
Order No.	<a href="#">2593370000</a>
Version	Rogowski coil, Diameter: 70 mm, Cable length: 1.5 m
GTIN (EAN)	4050118647815
Qty.	1 pc(s).

Creation date May 2, 2020 1:22:20 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

# Data sheet

## CMA-Series RCMA-B22-D70-1.5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

# Technical data

### Dimensions and weights

Net weight	120 g	Diameter	70 mm
------------	-------	----------	-------

### Temperatures

Humidity at operating temperature	5 - 90 %, no condensation	Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	80 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...80 °C
Storage temperature	-40 °C...80 °C		

### Dimensions of live conductors

Installation location	Indoor use	Type of conductor	Insulated conductor only
-----------------------	------------	-------------------	--------------------------

### Electrical attributes

Primary current	5,000 A	Tolerance class	0,5
-----------------	---------	-----------------	-----

### Technical properties

Cable diameter	6.1 mm	Cable length	1.5 m
Coil resistance	56 Ω	Protection degree	IP57

### General data

Linearity	Standard	IEC 61010-1: 2010, IEC 61869-1: 2007, IEC 61869-2: 2012, IEC 61869-6: 2016, IEC 61869-10: 2017, UL 61010-1
	no linearity error	

### Insulation coordination

Clearance & creepage distances	>16 mm	Impulse withstand voltage	12.8 kV (1.2/50 ms)
Insulation voltage		Standard	IEC 61010-1: 2010, IEC 61869-1: 2007, IEC 61869-2: 2012, IEC 61869-6: 2016, IEC 61869-10: 2017, UL 61010-1
	7.4 kV <sub>RMS</sub> (50 Hz, 1 min)		

### Classifications

ETIM 6.0	EC002475	ETIM 7.0	EC002475
eClass 9.0	27-21-01-23	eClass 9.1	27-21-01-23
eClass 10.0	27-21-01-23		

### Approvals

Approvals



ROHS Conform

**Data sheet****CMA-Series  
RCMA-B22-D70-1.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****Downloads**

Approval/Certificate/Document of  
Conformity

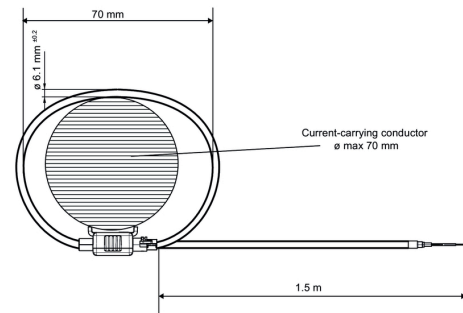
[Declaration of Conformity](#)

User Documentation

[Instruction sheet](#)

**CMA-Series  
RCMA-B22-D70-1.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Dimensioned drawing**

**CMA-Series  
RCMA-B22-D70-1.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Accessories****Rogowski coils****Rogowski coil**

A Rogowski coil is a closed air coil without a ferromagnetic core used for floating potential measurement of AC and pulse currents. Measurement with the Rogowski coil is used widely in technology, as it can be retroactively integrated without separating the primary electric circuit in existing systems. Because this method shows no saturation effect, even the smallest currents and high-frequency harmonics can be measured without loss of accuracy.

**General ordering data**

Type	RCMC-5000-AO-P	Version
Order No.	<a href="#">2593410000</a>	Measuring transducer
GTIN (EAN)	4050118647754	
Qty.	1 pc(s).	