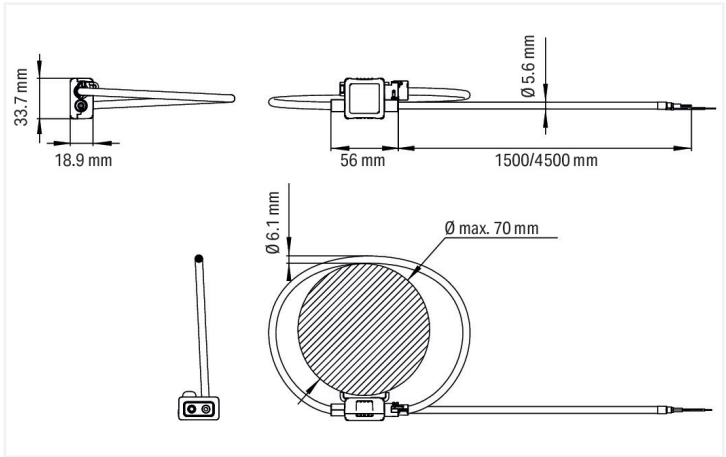




Similar to illustration



Dimensions in mm

Kurzbeschreibung:Die Rogowski-Spulen werden zur Strommessung von AC-Strömen eingesetzt und eignen sich besonders für die nachträgliche Installation in Bestandsanlagen. Der teilbare Spulenkörper ermöglicht die nachträgliche Installation um den Primärleiter herum – wahlweise Stromschiene oder Rundleiter. Die Rogowski-Spulen eignen sich zum Anschluss an die WAGO Produkte (857-552; 750-495/000-002; 2857-570/024-000). Ein plomberbarer Bajonettverschluss und Befestigungslaschen für Kabelbinder ermöglichen eine leichte Installation.

Notes	
Note	Rogowski technology allows the coils to measure a wide primary current range of up to 10,000 A without loss of accuracy, because there are no saturation effects. The requirements for standards EN 61869-1, EN 61869-2, EN 61869-6 and EN 61869-10 are only partially met, as there are fundamental differences with current transformers for a Rogowski coil.

Technical data			
Input		Input – current transformer	
Measurement range	10 A ... 10000 A (up to 4000 A in combination with the recommended WAGO products)	Rated short-time thermal current I_{th}	300 kA at 50 Hz
Measured variable	Current	Mutual inductance M	71.98 nH
		Rated frequency	50 ... 60 Hz
		Primary rated current	1000 A
Output – analog		Signal processing	
Sensitivity	22.5 mV/kA at 50 Hz	Limit frequency	420 kHz
Output signal (max.)	30 V		
Measurement error			
Accuracy class	0.5		
Translation errors (all positions)	0.75 %		
Translation errors (note)	Assuming that a primary conductor with a minimum diameter of 15 mm is used that is routed perpendicular to and in contact with the coil.		



Safety and protection		
Rated voltage		1000 VAC _{rms} (Cat. III); 600 VAC _{rms} (Cat. IV)
Impulse withstand voltage (1.2/50 µs)		12.8 kV
Protection type		IP57
Voltage for isolation test		AC 7.4 kV; 50 Hz; 1 min
Connection data		
Feedthrough for measurement conductor		Ø 70 mm
Physical data		
Cable length		1.5 m
Mechanical data		
Mounting type		Split-core current transformer (suspended)
Material data		
Fire load		0 MJ
Weight		130 g
Environmental requirements		
Ambient temperature (operation)		-40 ... +80 °C
Ambient temperature (storage)		-40 ... +80 °C
Relative humidity		≤ 90% (without condensation)
Operating altitude (max.)		2000 m
Standards and specifications		
Conformity marking		CE
Standards/specifications		EN 61010-1 EN 61010-2-32 EN 61869-1 EN 61869-2 EN 61869-6 EN 61869-10 UL 61010-1
Commercial data		
eCl@ss 10.0		27-21-09-02
eCl@ss 9.0		27-21-09-02
ETIM 8.0		EC002048
ETIM 7.0		EC002048
PU (SPU)		1 pcs
Packaging type		Bag
Country of origin		CH
Customs tariff number		90303370000



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor-	-	-
EAC	TP TC 004/2011,TP TC	EAC RU C-DE.AM02.	mity		
Brjansker Zertifizierungs-	020/2011	B.00111/19	WAGO GmbH & Co. KG		
stelle					
UL	UL 61010-2-032	E499682			
Underwriters Laboratories					
Inc.					

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance	↓
855-9150/2000-701	

Documentation

Bid Text				Instruction Leaflet			
855-9150/2000-701	24.01.2019	docx	17.74 KB	↓	Rogowski-Spulen	V 1.1.0	pdf
					RC70 / RC125 / RC175		1698.78 KB
							↓
855-9150/2000-701	24.01.2019	xml	6.03 KB	↓			

1 Compatible Products

1.1 Optional Accessories

1.1.1 Signal conditioner

1.1.1.1 Current signal conditioner



Item No.: 857-552
Current signal conditioner; Input for Rogowski coils; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm²

1.1.1.2 Power measurement module



Item No.: 2857-570/024-000
3-Phase Power Measurement Module;
3x277/480 V/RC; Modbus RTU; Digital out-
put; Configuration via software; Supply
voltage: 24 VDC

Installation Notes

Installation



Bayonet connector:
Robust and durable



Screw-mount clips:
Quick and easy mounting with cable ties



Lock-out seal:
Greater security via sealable bayonet lock