



WGC-80, Residual current transformer

Code: P10154.

> Usefull diam.(mm): 80

> Cable (m): 0

> Max. Current (A): 250

Description

This new range features a series of improvements intended in particular for installing units on switchboards. Along with the usual attachment elements, this unit can be installed on DIN rails using an accessory, which facilitates its installation.

The residual current transformers of the **WGC** series offer better immunity to the transient current spikes that usually trigger the residual current protection. The residual current transformers of the WGC series have been designed to operate with the relays of the WGC series. The sensitivity (trip current) of the transformer-relay assembly is established by the associated relay.







Residual current transformers

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Specifications

	AC power supply, insulation	
Size (mm) width x height x depth Envelope Self-extinguishing polycarbonate UL 94 V0 Fastening DIN rail with accessory (see code) Connection type Screw terminal (Pz type) Weight (kg) 0,3 Environmental characteristics Protection class IP 20 (Terminals) IEC 60529 Relative humidity (without condensation) 5 95 % Working temperature 2.2 + 70 °C Current measurement circuit Dynamic current (Idyn) 2,5 Ith Permanent thermal current (Icth) 60 A Thermal short-circuit current (Ith) 1,8 kA / 1s Transformation ratio 30 / 0,06 A Maximum operating voltage (Um) Standards Electrical safety, Maximum height (m) Electrical safety, Installation category CAT III Standards Measurement accuracy	Pulse test (kV)	3 kV
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Thermal short-circuit current (Ith) Transformation ratio 30 / 0,06 A Maximum operating voltage (Um) 720 V Standards Electrical safety, Maximum height (m) Electrical safety, Installation category CAT III Standards Measurement accuracy	Dynamic current (Idyn)	2,5 lth
Transformation ratio 30 / 0,06 A Maximum operating voltage (Um) 720 V Standards Electrical safety, Maximum height (m) 2000 Electrical safety, Installation category CAT III Standards IEC 60664-1, IEC 60664-3, IEC 60044-1	Permanent thermal current (Icth)	60 A
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Standards Electrical safety, Maximum height (m) Electrical safety, Installation category CAT III Standards IEC 60664-1, IEC 60664-3, IEC 60044-1	Transformation ratio	30 / 0,06 A
Electrical safety, Maximum height (m) Electrical safety, Installation category CAT III Standards IEC 60664-1, IEC 60664-3, IEC 60044-1 Measurement accuracy	Maximum operating voltage (Um)	720 V
Electrical safety, Installation category CAT III Standards IEC 60664-1, IEC 60664-3, IEC 60044-1 Measurement accuracy	Standards	
Standards IEC 60664-1, IEC 60664-3, IEC 60044-1 Measurement accuracy	Electrical safety, Maximum height (m)	2000
Measurement accuracy	Electrical safety, Installation category	CAT III
	Standards	IEC 60664-1, IEC 60664-3, IEC 60044-1
	Measurement accuracy	
Accuracy 10 15 %	Accuracy	10 15 %

WGC

Residual current transformer

CODE	TYPE	Inner diameter (mm)	Cable (m)	In (A)
P10181.	WGC-20-SC	20	0.5	63
P10182.	WGC-30-SC	30	0.5	63
P10131.	WGS-20	20	-	63
P10132.	WGS-30	30	-	63







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CODE	TYPE	Inner diameter (mm)	Cable (m)	In (A)	
P10151.	WGC-25	25	-	63	
P10152.	WGC-35	35	-	80	
P10153.	WGC-55	55	-	160	
P10154.	WGC-80	80	-	250	
P10155.	WGC-110	115	-	400	
P10156.	WGC-140	140	-	600	
P10157.	WGC-180	180	-	800	
P10158.	WGC-220x105	220 x 105	-	1250	
P10159.	WGC-350x150	350 x 150	-	2000	
P10160.	WGC-500x200	500 x 200	-	4000	

UL certification for all WGC and WGS models, on demand

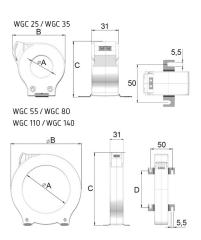




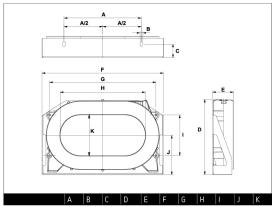
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Dimensions



A	В	С	D
25	60,5	64	
35	70,5	75,5	
55	92	98	38
80	124,5	130	60
110	163	168	84,5
140	201	206	110
180	252	256	144
	25 35 55 80 110 140	25 60,5 35 70,5 55 92 80 124,5 110 163 140 201	25 60,5 64 35 70,5 75,5 55 92 98 80 124,5 130 110 163 168 140 201 206



	Α	В	L	ט	E	F	6	н		J	K
WGC 220x105	200	7	35	195	54,2	314	275	220	105	102	105
WGC 350x150	340	7	30	279	50,2	479	430	350	165	143	150
WGC 500x200	460	7	40	306	64	614	550	500	180	155	200