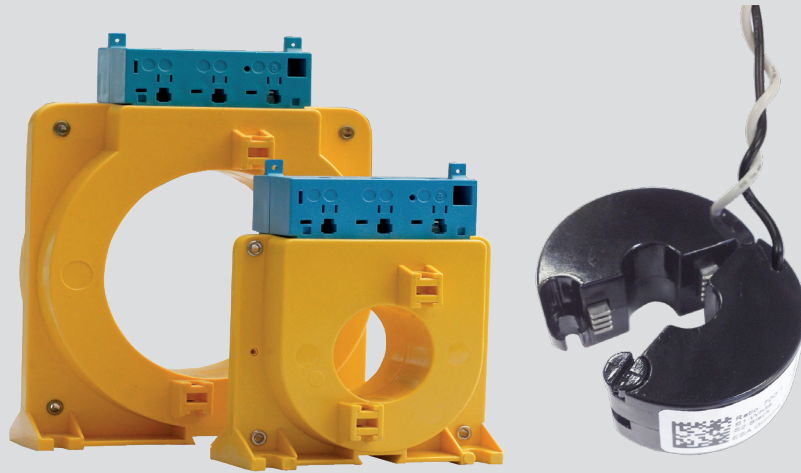




RESIDUAL CURRENT TRANSFORMERS

CT-AC RCM xxN series, CT-AC RCM AxxN series, SC-CT-21

Data sheet

TECHNICAL DATA

Specifications	Data
Insulation coordination	acc. to IEC 60664-1
Rated voltage	AC 720 V
Test voltage	3 kV
Pollution degree	3
Protection class for installations	IP30
Protection class for terminals	IP20

Measuring circuit

Nominal transformer ratio	700:1
Nominal frequency	50 Hz
Internal resistance	5 to 15 Ω
Accuracy class	3
Short-circuit thermal current I_{th} for 1 s	20 kA
Screw fastening	M5

Environmental conditions

Operating temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Flammability class	UL94V-0
Installation position	vertical/horizontal
Operating mode	Continuous operation

Terminals

Type of connection (except SC-CT-21)	Screw terminals
Wire size/single-wire/fine-wire	0,2 to 4 mm ² /0,2 to 2,5 mm ² (0.0003 to 0.006 in ² / 0.0003 to 0.004 in ²) (AWG24-12)

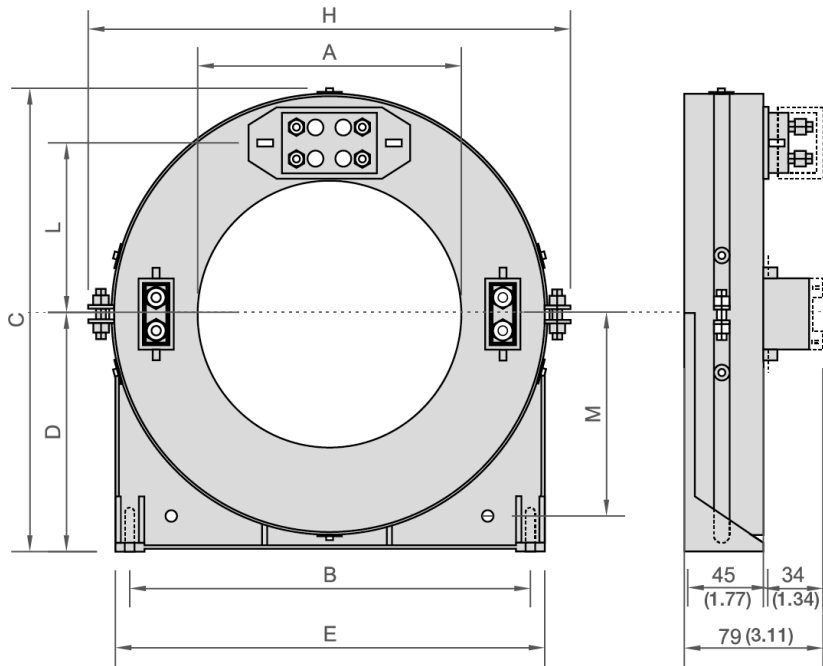
Connection to the current transformers

Single wires $\geq 0,75$ mm ² (0.0012 in ²)	up to 1 m (3.28 ft)
Single wires twisted $\geq 0,75$ mm ²	up to 10 m (32.81 ft)
Cable shield $\geq 0,75$ mm ² (e. g. JY (ST)Y 2x0,8)	up to 40 m (131.23 ft)

DIMENSIONAL DRAWINGS & DATA

CT-AC RCM A110N, CT-AC RCM A150N

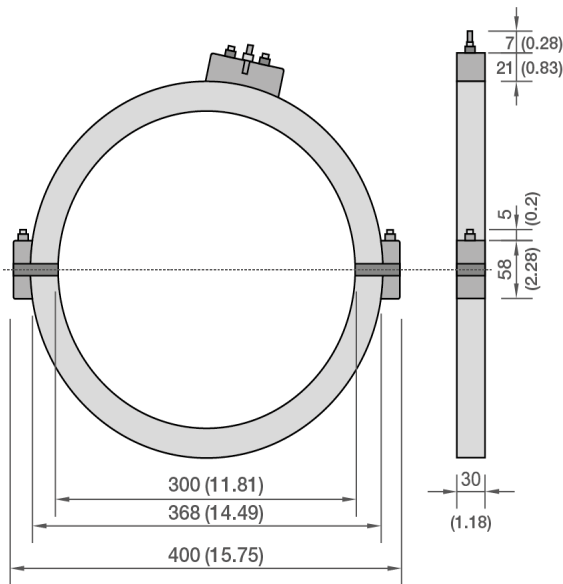
Type	Primary current	A	B	C	D	E	H	L	M	Article number	Weight
CT-AC RCM 110N	600 A	110 (4.33)	185 (7.28)	219 (8.26)	113,5 (4.47)	205 (8.07)	235 (9.25)	75 (2.95)	93,5 (3.68)	1503462	2350 g (5.18 lb)
CT-AC RCM 150N	1200 A	150 (5.91)	225 (8.86)	259 (10.2)	133,5 (5.26)	245 (9.65)	275 (10.83)	95 (3.74)	113,5 (4.47)	1503465	2500 g (5,51 lb)



all dimensions in mm (inch)

CT-AC RCM A310N

Primary current	Article number	Weight
2000 A	1503461	3800 g (8.38 lb)

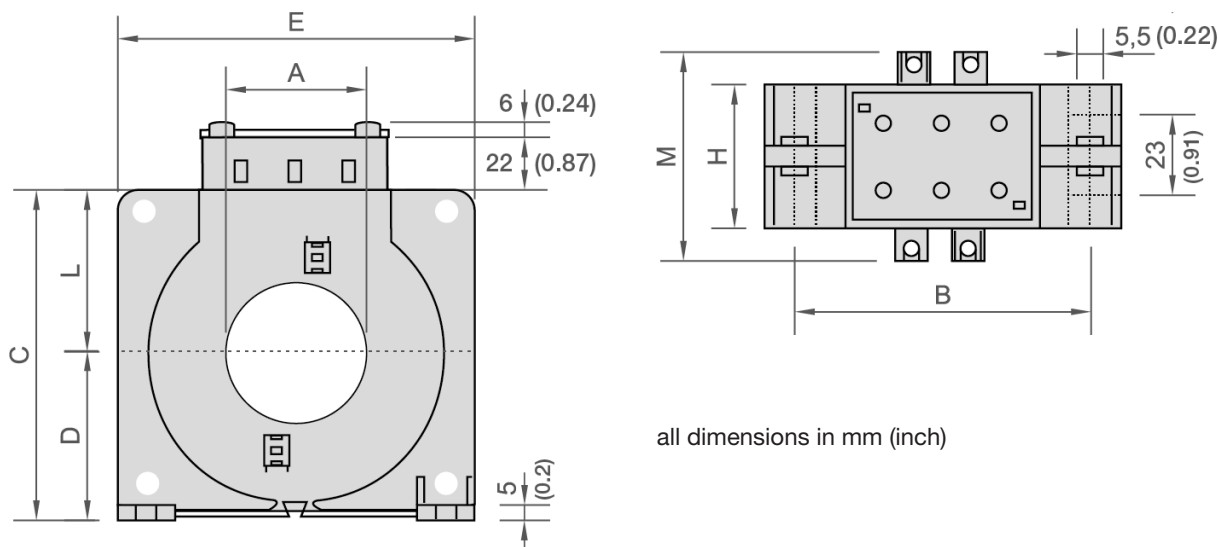


all dimensions in mm (inch)

CT-AC RCM 35N, 80N, 110N, 140N, 210N

Type	Primary current	Max. wire diameter in mm*	Article number	Weight
CT-AC RCM 35N	150 A	4 x approx. 14 (rm-35 qmm) or 8 x 10 (rm-10 qmm)	1503458	250 g (0,55 lb)
CT-AC RCM 80N	300 A	4 x approx. 32 (rm-300 qmm) or 8 x 24 (rm-150 qmm)	1503459	400 g (0.88 lb)
CT-AC RCM 110N	600 A	4 x approx. 44 (rm-500 qmm) or 8 x 33 (rm-300 qmm)	1503463	560 g (1,23 lb)
CT-AC RCM 140N	1200 A	4 x approx. 56 (rm-500 qmm) or 8 x 42 (rm-300 qmm)	1503460	750 g (1,65 lb)
CT-AC RCM 210N	1800 A	4 x approx. 85 (rm-500 qmm) or 8 x 62 (rm-500 qmm)	1503464	1280 g (2,82 lb)

*) H07V-K or NSGAFOÜ wires



all dimensions in mm (inch)

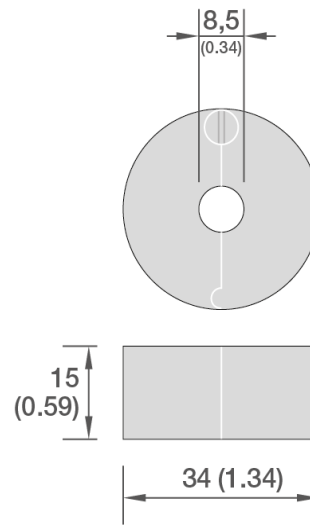
Type	A	B	C	D	E	H	L	M
CT-AC RCM 35N	35 (1.38)	75 (2.95)	85 (3.89)	42 (1.65)	92 (3.62)	36 (1.42)	43 (1.69)	56 (2.21)
CT-AC RCM 80N	80 (3.15)	108 (4.25)	132 (5.2)	67 (2.64)	125 (4.92)	36 (1.42)	65 (2.56)	56 (2.2)
CT-AC RCM 110N	110 (4.33)	148 (5.83)	170 (6.69)	86 (3.39)	165 (6.5)	36 (1.42)	84 (3.31)	56 (2.2)
CT-AC RCM 140N	140 (5.51)	177 (6.97)	206 (8.11)	104 (4.09)	200 (7.87)	36 (1.42)	102 (4.02)	56 (2.2)
CT-AC RCM 210N	210 (8.27)	270 (10.63)	295 (11.61)	150 (5.91)	290 (11.42)	44 (1.73)	145 (5.71)	64 (2.52)

SC-CT-21

Primary current	Max. wire diameter in mm*	Article number	Weight
70 A	8	1503084	43 g (0.9 lb)

*) H07V-K or NSGAFÖU wires

- Class 1
- with pre-installed connecting line (2 m (6,56 ft))



all dimensions in mm (inch)

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Subject to technical changes

Janitza