



RESIDUAL CURRENT TRANSFORMER

Type A - DACT Series

Data Sheet

Janitza[®]

TECHNICAL DATA & DIMENSIONS



Example:
Residual current transformer type A DACT 20

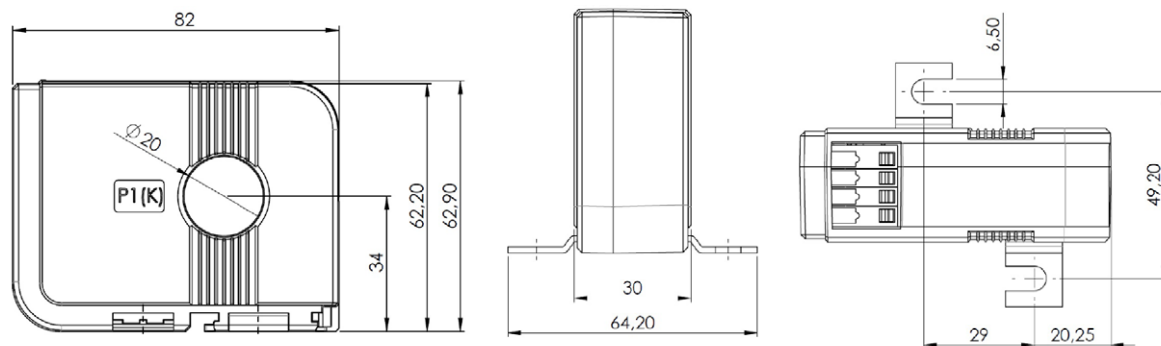
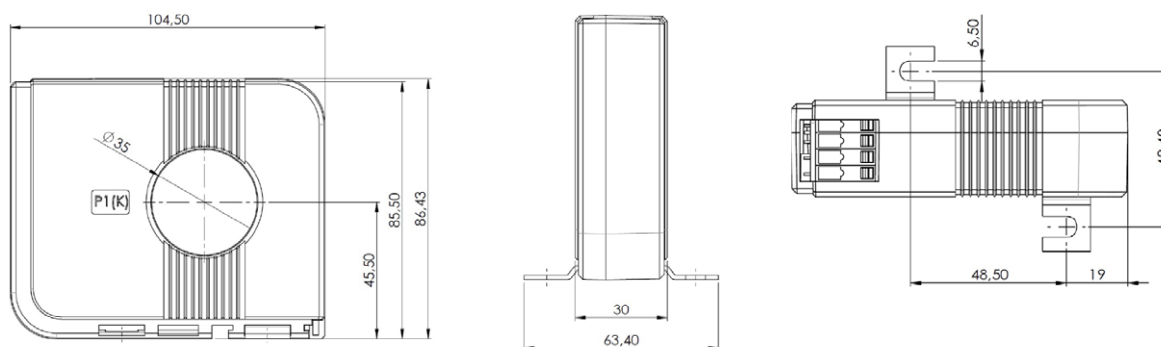
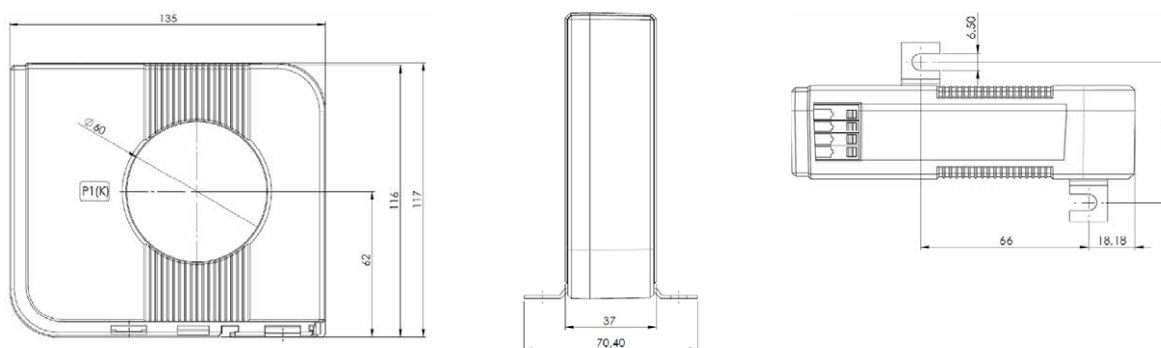
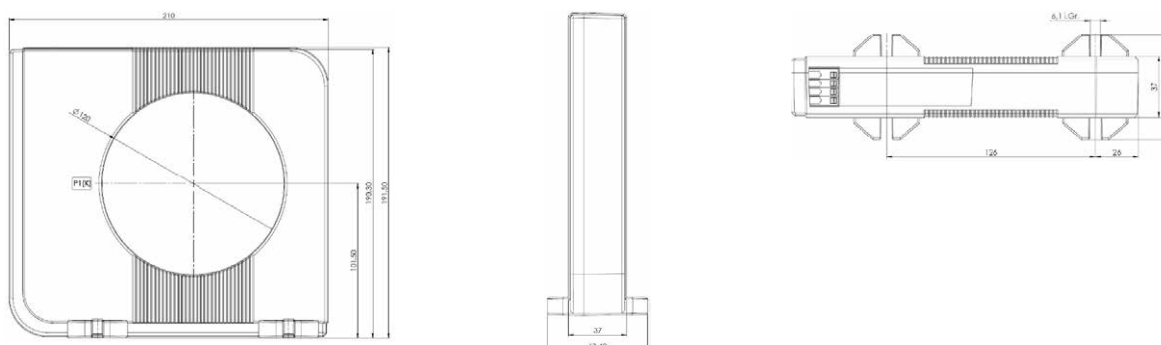
Main features

- For residual current detection in 3-/4-wire alternating current networks
- Highly sensitive current sensor for detecting even the smallest residual currents
- Simple connection by means of 4-pole spring terminal
- High safety, thanks to integrated surge protection
- Flexible use due to a wide frequency range
- Mounting on 35 mm DIN rail possible with optional snap-on mounting

Model	DACT 20	DACT 35	DACT 60	DACT 120
Weight	approx. 145 g (0.32 lb)	approx. 240 g (0.53 lb)	approx. 390 g (0.86 lb)	approx. 950 g (2.09 lb)
Round conductor	20 mm (0.79 in)	35 mm (1.38 in)	60 mm (2.36 in)	120 mm (4.72 in)
Overall width	82 mm (3.22 in)	104.5 mm (4.11 in)	135 mm (5.32 in)	210 mm (8.27 in)
Max. primary residual current	18 A*			
Rated secondary residual current	0.03 A			
Measurement range	0.02 ... 20 A			
Ratio	600/1			
Rated burden	100 Ω			
R _{ct} (75°)	5 ... 8 Ω			
L (U _{Sec} = 100 mV, 50 Hz)	8 ... 12 H			
Accuracy class	0.5*			
Working frequency range	30 Hz - 3 kHz			
Rated voltage	800 V			
Rated surge voltage	8 kV			
Working temperature	-10 °C to + 70 °C (14 °F to 158 °F)			
Storage temperature	-25 °C to + 70 °C (-13 °F to 158 °F)			
Pollution degree	III			
Protection level Housing Terminals	IP 40 IP 20			
Standards	IEC 60664-1 / IEC 60664-3			
Article numbers with secondary rated current 0,03 A*	1503201	1503202	1503203	1503204
Article numbers with secondary rated current 333 mV**	1503221	1503222	1503223	1503224

* When using the analog inputs of the UMG 96RM-E, UMG 96RM-PN, UMG 509-PRO, UMG 801 and UMG 512-PRO

** When using Low Power measurement technology

DACT 20**DACT 35****DACT 60****DACT 120**

All dimensions in mm - the figures are for illustration purposes and are not to scale

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