

Feathrough residual current transformers

Main features

- Makes it possible, in conjunction with the UMG devices, to determine the residual current to earth of machines or systems
- Compact construction
- Detection of very small currents
- Designed to increase the sensitivity of residual current breakers (personal protection) and general circuit breakers
- Suitable for the UMG 96 RM-E, UMG 96RM-PN, UMG 20CM, UMG 509-PRO, UMG 512-PRO



Technical data

General data	
Insulation voltage	0,72 kV
Frequency	3 kHz
Operating temperature	-10 to +55 °C
Test voltage	3 kV RMS 50 Hz / 1 min.

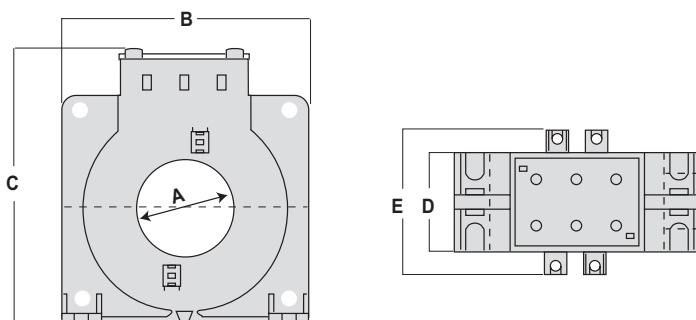
Device overview - Plug-in residual current transformer type A					
Type	Transformation ratio	Max. primary residual current in mA*	Max. wire diameter in mm	Busbar in mm	Item no.
CT-AC RCM 35N	700/1	21000	4 x approx. 14 (rm-35 qmm) or 8 x 10 (rm-10 qmm)	max. 30 x 10	15.03.458
CT-AC RCM 80N	700/1	21000	4 x approx. 32 (rm-300 qmm) or 8 x 24 (rm-150 qmm)	max. 60 x 20	15.03.459
CT-AC RCM 110N	700/1	21000	4 x approx. 44 (rm-500 qmm) or 8 x 33 (rm-300 qmm)	max. 100 x 20	15.03.463
CT-AC RCM 140N	700/1	21000	4 x approx. 56 (rm-500 qmm) or 8 x 42 (rm-300 qmm)	max. 120 x 20	15.03.460
CT-AC RCM 210N	700/1	21000	4 x approx. 85 (rm-500 qmm) or 8 x 62 (rm-500 qmm)	max. 200 x 20	15.03.464

* When using the analogue inputs of the UMG 96RM-E, UMG 96RM-PN, UMG 509-PRO, UMG 512-PRO, Module 96-PA-RCM-EL and Module 96-PA-RCM



Dimension diagrams

All dimensions in mm



Dimensions - Plug-in residual current transformer type A						
Type	Dimensions in mm					Weight (kg)
	A	B	C	D	E	
CT-AC RCM 35N	35	92	113	36	56	0,25
CT-AC RCM 80N	80	125	160	36	56	0,40
CT-AC RCM 110N	110	165	198	36	56	0,56
CT-AC RCM 140N	140	200	234	36	56	0,75
CT-AC RCM 210N	210	290	323	44	64	1,28

Advice:

In case that the residual current converters of series CT-AC are used in connection with UMG 20CM, the measuring range of UMG 20CM can be raised from 900 mA or 1 A to 14 A or 15 A by use of a burden with item no. 15.03.086.