

CURRENT TRANSFORMERS

Split core current Transformers

IAP - IAM - IAG



IAG



IAM



IAP

Application

Split core current transformers convert an alternating current of high value into a proportional, lower one, which is appropriate to be measured by standard instruments (ammeters, wattmeters, varmeters, power factor meters, relays, measuring transducers...) of rated currents 5 or 1 A. Their split core allows their installation in already existing networks without need to cut the conductors. They are suitable for indoor use in low-voltage networks, and they are built according to IEC and EN 61869-2 standards.

Design features

- The current transformers can be opened
- Cases of self-extinguishing polycarbonate UL 94 - V0
- Double secondary terminals, for short circuiting the secondary winding before opening the measuring circuit
- Mounting brackets for the panel mounting and fixing clamps for the fixing to the primary bus bar are included

Accuracy

Our current transformers fulfil the specifications of the accuracy classes 0.5, 1 and 3, for the rated burden indicated in the table, in the same instrument.

IAP, IAM, IAG Technical Data	
Electrical Features (according to IEC-61869-2)	
Rated secondary current	5 or 1 A
Frequency range	50 - 60 Hz
Highest voltage for equipment	720 V
Rated insulation level	3kV, 50Hz 1 min.
Rated continuous thermal current	1.2x I _N
Rated short-time thermal current (I _{th})	60x I _N
Rated dynamic current (I _{dyn})	2.5x I _{th}
Thermal class of insulation, according to IEC-6085	E (120°C)
Window	IAP: busbar 2x 50x10 mm, 3x 40x10 mm or round conductor Ø 40mm IAM: busbar 4x 80x10 mm or round conductor Ø 80 mm IAG: busbar 4x 125x10 mm or round conductor Ø 80 mm
Weight: (depending on primary current)	IAP: 1040 g ... 1365 g IAM: 1190 g ... 1640 g IAG: 1640 g ... 2495 g

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IAP - IAM - IAG Technical Daten, Executions

Primary rated current A	Rated burdens VA (sec. .../5A, .../1A)								
	IAP			IAM			IAG		
	Cl. 0,5	Cl. 1	Cl. 3	Cl. 0,5	Cl. 1	Cl. 3	Cl. 0,5	Cl. 1	Cl. 3
60	-	-	1,25	-	-	-	-	-	-
75	-	-	1,25	-	-	-	-	-	-
100	-	1,25*	2,5	-	-	1,25	-	-	-
125	-	1,25*	3,75	-	-	2,5	-	-	-
150	-	2,5*	3,75	-	-	3,75	-	-	-
200	-	3,75*	3,75	-	1,25*	3,75	-	-	-
250	-	3,75*	7,5	-	2,5*	3,75	-	-	-
300	-	5*	10	-	3,75*	5	-	-	-
400	-	7,5	20	-	5	10	-	-	-
500	5	10	30	1,25	5	15	-	2,5	15
600	10	15	30	2,5	7,5	20	1,25	5	15
750	10	20	45	7,5	15	30	1,25	10	20
800	10	30	60	10	20	30	2,5	10	20
1000	10	45	60	10	20	45	5	15	30
1200	15	45	60	10	30	60	7,5	20	45
1500	-	-	-	10	45	60	10	30	60
1600	-	-	-	-	-	-	15	45	60
2000	-	-	-	-	-	-	15	60	60
2500	-	-	-	-	-	-	20	60	60
3000	-	-	-	-	-	-	20	60	60

Remark: These current transformers meet the demands for the classes 0,5, 1 and 3 in the same instrument. / * only ammeters

Dimensions

