

Bipinkumar Electric Corporation

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PRICES for Areva T & D India Ltd. (Formerly EE/GEC Alsthom Ltd./Alstom) make relays

wef : 01.11.2007

Sr #	DESCRIPTION	Relay Type	Chennai Price	Ex-Bwdi Price.	Case Size	Chennai Price	Ex-Bwdi Price	Case Size
			Non-drawout Case			Draw-out Case		
1	Battery E/F relay Self Powered Battery voltage 24, 48, 110, 220V DC Setting 1 to 7mA, Aux Contacts 2NO SR & 3NC+1NO SR Flag	CAEM21				16700	18306	1DV
2	Second Rotar E/F relay	CAEM33				53785	58758	
3	AC Instantaneous O/C Relay	CAG11	2987	3349	1/4NV	4691	5208	1DV
4	AC Instantaneous O/C or E/F relay 2 N/O S/R	CAG12	4127	4595	1/2NV	5855	6477	1DV
5	AC Instantaneous O/C or E/F relay 1NO+1NC S/R contacts O/C 50- 200% & E/F 20-80% or 10-40% of 5A or 1A	CAG12C	4283	4761	1/2NV	6095	6737	1DV
6	AC Instantaneous circulating current relay with tuned circuits & adjustable setting 10-40% or 20- 80% of 5A or 1A with external Stabilizing resistor & 2NO SR contacts. Extra for 1000 Ohms resistor	CAG14				8470	9333	1DV
		CAG34				18284	20038	1DV
	Extra for 1K Ohms resistor per pc.					1332	1459	
						522	572	
7	High Impedance Differential relay - do - but 3 Pole	FAC14 FAC34				15489 32057	16987 35058	1 DV 1 1/2 DV
8	AC Instantaneous O/C relay 5A or 1A; 250-2000% or 200-800% 2 NO S/R.	CAG17 CAG37				8122 14181	8949 15559	1DV 1DV
9	Sensitive instantaneous voltage polarised directional relay with integral timer relay (reverse power aux) 2NO SR Contacts & aux. supply 30/110/220V DC CTR 5A or 1A PT volts 110V AC MTA 30 & timing .5-5 or 1-10, 2.5-25 sec	CCUM21				24655	26972	1 1/2DV
10	Directional IDMT voltage current polarized O/C or E/F relay 2NO SR setting O/C 50-200% or 10-40% of 5 or 1A CTR. Single Pole - do - but with 2NO H/R	CDD21				17564 18116	19238 19844	1 1/2DV 1 1/2DV
11	Non-Directional 3VA IDMT O/C or E/F or O/C & E/F relay 2NO	CDG11 CDG31				5639 15897	6239 17424	1DV 3DH

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	S/R contact setting O/C 50-200% & E/F 20-80% or 10-40% of 5A or	CDG31				17216	18852	3DV
	1A Self powered. DMT 3 / 1.3 Sec --do-- 2NO + 2NC H/R	CDG11 CDG31 CDG31				6119 17756 18584	6760 19453 20361	1DV 3DH 3DV
12	IDMT O/C or E/F series tripping relay	CDG11 S/T CDG31 S/T CDG31 S/T				6779 18656 21523	7476 20432 23557	1DV 3DH 3DH
13	Non-directional IDMT O/C or E/F relay O/C 50-200%, E/F 20-80% or 10-40% fitted with highset relay type CAG17 O/C 200-2000% E/F 100-800% CTR 5A or 1A 2NO S/R self powered. --do-- 2NO + 2NC H/R	CDG21 CDG61 CDG61 CDG21 CDG61 CDG61				9478 27486 28554 9958 28782 29826	10933 30061 31228 10946 31474 32611	1DV 3DH 3DV 1DV 3DH 3DV
14	IDMT relay with 2 O/C CDG11 & 1 E/F CAG14 2NO SR self powered	CDAG31 CDAG31				20852 24835	23958 28528	3DH 3DV
15	Non-directional IDMT relay 2 O/C 50-200% with highset setting 250 - 2000% type CAG17 & E/F relay setting 10-40% or 20-80% type CAG14 CTR 5A or 1A self powered 2NO S/R contacts.	CDAG51 CDAG51				28494 32561	32692 35601	3DH 3DV
16	Non-directional IDMT 3 O/C relay with U/V control 2NO S/R contact adjustable setting 50-200% of 5A or 1A 2NO S/R. --do-- 2NO H/R	CDV62 CDV62 CDV62 CDV62				25195 26634 26898 28290	28936 29256 29429 30939	3DH 3DV 3DH 3DV
17	Inverse time (long time delay) stand by earth fault relay 15-20% 5A or 1A 2NO S/R Aux. DC. --do-- 2NO H/R	CDG12 CDG12				7570 8074	8345 8887	1DV 1DV
18	IDMT relay O/C or E/F 5A or 1A 1.5 Sec. 2 NO S/R & DC aux --do-- 2 NO H/R	CDG13 CDG33 CDG63 CDG13 CDG33 CDG63				6695 19172 34901 7234 20684 36436	7390 20991 38149 7971 24417 41580	1DV 3DH 3DH 1DV 3DH 3DH
19	IDMT extremely inverse time O/C or E/F 5A or 1A	CDG14 CDG34 CDG34 CDG24 CDG64 CDG64				7558 22195 23635 12129 35992 37420	8328 24296 25864 13311 39340 40897	1DV 3DH 3DV 1DV 3DH 3DV

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20	Single pole O/C relay for protecion having long inv. Time character-istic 2 NO S/R --do-- 2NO H/R	CDGM12 CDGM12				7990 8518	8802 9387	1DV 1DV
21	Definite time negative phase seq. current relay for single phasing & unbalance detection. CTR 5A or 1A volt 110/250V AC/DC setting 10% or 20% time 3/6/9 sec.	CTNM12	7138	7886	1/2 NH			
22	Static definite time O/C or E/F relay	CTU12 CTU32 CTU52 CTU62				12597 16508 18308 18308	13833 18089 20055 20055	1DV 1DV 1DV 1DV
23	Sensitive definite time Static E/F relay	CTU15 CTUM15	11206	12309	1/2 NH	29730 17348	32515 19053	1DV 1DV
24	Static Motor Protection relays for Motors controlled by Circuit Brks. -do- but controlled by Contactors	CTMM501-510 CTMFM401-410				50305 49118	54951 53657	2 DV 2 DV
25	Static Negative phase seq. Relay Extra for one heavy current test plug and extention cord for above.	CTNM31				196218 26262	214099 28854	
26	Breaker Backup relay 3-Pole	MCTIG40-L				40431	44218	1 DV
27	Static single pole instaneneous sensitive E/F relay	CTIGM15	8098	8836	1/2NH			
28	High speed differential relay for two winding transformer CTR 5A or 1A diff. setting 15% Bias setting 15-30-45% Aux voltage 24/30/110 /220V DC 2NO S/R.	DTH31 DTH32				69033 86238	75383 94151	3DV 3DH
29	Test Plug Universal Test Block	MPB MPG	3815 4751	4252 5271				
30	Digital Over/Under frequency protective relay. Single Stage - do - but Two Stage	MFVUM12 MFVUM22				43671 55056	47711 63515	Size 4 Size 4
31	1-Phase Transformer diff. Relay. 2 winding Transformer 3 winding Transformer	MBCH12 MBCH13				26406 28590	28879 31261	Size 4 Size 4
32	Aux relay 2M & 2C/O S/R contact -do- but with 2 elements & 4 C/O -do- but with 3 elements & 4 C/O -do- but with 4 elements & 8 C/O -do- but with 5 elements & 8 C/O -do- but with 6 elements & 8 C/O	MVAAM11 MVAAM21 MVAAM31 MVAAM41 MVAAM51 MVAAM61				3899 5423 6827 8026 14025 14997	4335 6004 7556 8836 15528 16602	Size 2 Size 2 Size 4 Size 4 Size 6 Size 6

Contacts are Total No. Of O/p contacts.

Other versions are also available. Details on request

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			Non-drawout Case			Draw-out Case		
45	Instantaneous AC fixed setting U/V or O/V & DC O/V relay with or without flag with 1M 1B S/R 1B S/R contacts.	VAG11	2963	3481	1/4 NV	4343	4825	1DV
	Instantaneous AC / DC with fixed setting U/V or O/V relay with or without flag & with an additional AC or DC aux. Unit having 2NO+1NC SR contacts. Std range	VAG21	4271	4975	1/2 NH	5495	6081	1DV
	Extra for high drop off or pick up ratio of U/V relays having setting other than 30 to 60%		1560	1717		1560	1717	
46	3 element Inst. U/V relay	VAG31				8878	10345	1DV
47	O/V relay 110V AC with adjust-able setting 110-140% with flag self powered 2NO+1NC SR cont.	VAGM22				8158	8986	1DV
	- do - but U/V relay with setting 40-80% of 110V AC 1NO+2NC SR	VAGM22				8158	8986	1DV
	Extra for ext. PT 440/250/110VAC					3659	4056	
48	Inverse time O/V relay setting range 110-170% of 110V AC 1NO+ 1 C/O S/R self powered.	VDG11				9574	10525	1DV
49	Inverse time U/V relay 2M S/R contacts on a shunt reinforcing unit set range 50-90% 110VAC Aux 24-250V DC.	VDG13				10594	11639	1DV
	Extra for Ext. PT 250/440V AC					3407	3718	
50	Neutral displacement relay 2NO S/R contacts on a shunt reinforcing unit voltage setting 5.4-20V Aux.24-250 V DC.	VDG14				11733	13518	1DV
51	Fuse failure relay 110V AC 50Hz 1NO 1 NC S/R contacts with flag - do - with Special Resistors	VAPM31				8254	9535	1DV
						11278	13027	1DV
52	Voltage operated Auxilliary relays with/without flag.							
a	2NO + 2 C/O S/R contacts (DC)	VAA11	2639	3105	1/4NV			
b	2NO + 1 C/O S/R contacts (DC)	VAA21	4535	5284	1/2NH	5219	6081	1DV
c	1NO+1NC S/R cont. or 2NO SR	VAA31	4727	5495	1/2NH	6239	7258	1DV
d	4 element relay with flag	VAA41				7198	7903	1DV
e	Spl. Aux. Relay for Vg selection	VAA51				13593	14933	1 1/2DV
	<i>extra for AC Voltage a,b,f,g per element</i>		516	607				
f	2NO + 2 C/O H/R contacts (DC)	VAA13	2735	3214	1/4NV	4571	5315	1DV
g	2NO + 1 C/O H/R contacts (DC)	VAA23	4343	5056	1/2NH	5663	6578	1DV
h	1NO + 1NC or 2NO H/R contacts	VAA33	4751	5525	1/2NH	6239	7246	1DV

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I	Plug in type relays 6 pair of contacts, DC operation.	VAA11	3767	4400				
53	Sp. Aux. Relay for use with 3 initiating contacts in our Std. Electromechanical Scheme	VAA61				1788	1965	1DV
	- do - but with 4 contacts	VAA81				16305	17922	1DV
	- do - but with 6 contacts	VAA121				21727	23886	1DV
54	High Speed Tripping relay with 4pairs of H/R contacts.	VAJH13	2627	3094	1/4NV	4307	5015	1DV
		VAJH23	5135	5964	1/2NH	6179	7161	1DV
55	-do- but with trip circuit supervision facility 2 Element	VAJHM13	3047	3582	1/2NH			
	--do-- but 3 Element	VAJHM23	5135	5964	1/2NH	5915	6863	1DV
	--do-- but 5 Element	VAJHM33				12933	14192	1 1/2DV
		VAJHM53				16149	17699	1 1/2DV
56	Control relay with 8 electrically reset pairs of contacts & DC Aux	VAJC11	8674	10075	1/2 NV	9946	10937	1DV
57	Semaphore Indicators DC	VAM12	2399	2833				
	30/110V/220V/AC110/230V AC	VAM22	2759	3245				
58	Trip Circuit supervision relay	VAX21	4763	5533	1/2NH	6515	7295	1DV
	2NC + 1NO S/R contacts	VAX31	5459	6337	1/2NH	7198	7932	1DV
	30/110V/230V DC							
59	Static Definite time delay relay 4 pairs of S/R cont. upto 12-120 sec							
	Aux. Voltage DC	VTT11/VTT12	6119	7084	1/2NH	8398	9243	1DV
	Aux. Voltage AC	VTT11/VTT12	8158	8975	1/2NH	9694	10649	1DV
	Aux. Voltage DC	VTT14/VTT15	10570	11607	1/2NH			
	Aux. Voltage AC	VTT14/VTT15	12645	13868	1/2NH			
	extra for 30-300 secs		900	1038				
	extra for addl. pair of contacts for VTT12/14/15		300	346				
60	Sensitive Low Reverse power relay	WCDM11				45146	49327	1DV
	Sensitive Low Forward power relay	WCDM13				45146	49327	1DV
61	Aux. relays combined S/R & HR contacts	VAA12	2735	3068	1/4NV			
		VAA22	4535	5032	1/2NH			
		VAA32	5075	5618	1/2NH	6179	6825	1DV
62	Static negative phase sequence voltage relay	VTNM12	7198	7933	1/4NV			
63	Static instantaneous U/V relay	VTIGM12				12237	13427	1DV
64	Static definite time O/V relay	VTU21				13749	15073	1DV
65	Static definite time U/V relay	VTUM21				13749	15073	1DV
	-do- but 3 Phase	VTUM61				38548	42253	1 1/2DV
66	Static combined definite time & instantaneous overvoltage relay	VTU31				19064	20876	1DV

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			Non-drawout Case			Draw-out Case		
67	Voltage balance relay for use in generator protection	VAGM61				16365	17938	1DV
68	Negative potential biased earth leakage relay.	VAEM22				17204	18849	1DV
69	Rotor Earth fault relay	VAEM21				17204	18849	1DV
70	Under voltage relay	VAGM23				8578	9444	1DV
71	Highspeed Tripping relay with S/R contacts.	VAJS13	2831	3176	1/4 NV	4595	5097	1DV
		VAJS23	4895	5423	1/2 NH	5939	6562	1DV
72	Interposing Relay	VAWA12	3227	3606	1/4 NV	5735	6343	1DV
		VAWA22	5831	6446	1/2 NH	7846	8209	1DV
73	Field Failure Relay	YCGF11				43311	47329	1DV
74	Busbar protection pilot supervision relay S/R contacts extra for 4 pairs H/R contacts	VTX31				22987 960	25158 1049	1DV
75	Definite Time Over Fluxing relay	GTT21				81703	89210	1DV
		GTTM22				81703	89210	1DV
76	Feeder Protection Relay Set Using Pvt. Pilots with facility to supervise the healthness of pilots comprising of Relays for (a) Sending End (b) Receiving End (c) Injection Unit (d) Measuring & Pilot supervision unit	HORM4				109777	119863	a. 1.5DV b. 1.5DV c. 1DV d. 1DV
77	Metrosil 1A or 5A (per pole)		11002	12844	(NA)			
78	Static Industrial Timer	TimEE	1620	1891				
79	Sensitive Earth Leakage relay to be used with CBCT (extra cost)	EarthLEE	3479	4063				
80	Voltage Operated Single Phasing unbalance preventor for motors	SuperEEmo	1694	1961				

Terms & Conditions :

- 1 Chennai Price is based on Areva LP and is incl. of Excise Duty @ 16%, Education Cess @ 3% & CST @ 3%.
- 2 Ex-Bwdi prices are from our Bhiwandi Godown and are inclusive of Excise Duty, Surcharge, Freight, P&F, etc.
- 3 The above rates are based on Current Areva LP wef. 1.11.2007. Prices ruling at the time of delivery are
- 4 Any Levies towards Octroi etc. at destination are extra as applicable.

Please contact us for Entire RANGE of NUMERICAL RELAYS.

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